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REGULATIONS

FOR THE

EQUIPMENT OF THE ARMY

PART 1

1932

LONDON:

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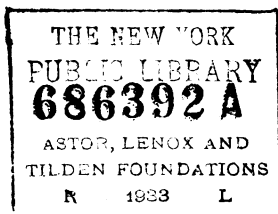
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GEORGE R.I.



WHEREAS Our Army Council has submitted to Us revised General Regulations for the Equipment of Our Army and the Armament of Our Works of Defence; and whereas We have been pleased to approve the same;

OUR WILL AND PLEASURE IS that these Regulations be the sole and standing authority on the matter herein treated of, excepting all matters relating to the equipment of such part of Our Army as may be stationed in Our Indian Empire; provided always, that Our Army Council shall, until Our further pleasure be made known, have full power to make, with regard to the details of equipment, and to the general arrangements for equipment applicable in time of war, such additional Regulations, or modifications in the Regulations attached to this Our Warrant, as may be necessary in the interests of Our Service. The administration and interpretation of these Regulations shall likewise rest with Our said Army Council.

Given at Our Court at St. James's this 12th day of May, 1932, in the 23rd year of Our Reign,

By His Majesty's Command,

HAILSHAM

DEFINITIONS

N.B.—The following terms used in these regulations will have the signification shown below :—

Accountant	...	...	An officer who receives and holds army equipment, and renders to the War Office or local audit office a ledger account of the same.
Assistant Director of Ordnance Services.		of	The officer of the directing staff, R.A.O.C., posted to the headquarters of a command to administer Army Ordnance Services.
Assistant Inspector of Armourers.		of	An officer of the armourer branch, R.A.O.C., who is charged with the inspection and repair of all small arms, machine guns and bicycles in a command.
Chief Inspector	...	...	The senior officer of a division of the Inspection Staff.
Commanding Officer	...		The officer commanding any unit.
Deputy Assistant Director of Ordnance Services.			An officer of the directing staff, R.A.O.C., posted to a command for duty as deputy to the Assistant Director of Ordnance Services for the administration of ordnance services in one or more areas of the command.
Deputy Director of Ordnance Services.			An officer of the directing staff, R.A.O.C., appointed by the War Office to be responsible for the administration of the Central Provision office and for the departmental services in central ordnance depots.
Equipment	...	...	Ordnance stores of all descriptions, including guns, machine guns, small arms, ammunition, vehicles, etc., and material for repair and preservation allowed by these regulations.

Equipment Ammunition	Is that which is normally carried for— (a) <i>Rifles and Pistols</i> , on the soldier in the field. (b) <i>Machine Guns</i> , in Vickers ammunition belts carried with the gun (other than spare belts), in Lewis magazines and in Hotchkiss ammunition belts or strips (excluding spare strips). (c) <i>Guns</i> , in ammunition wagons and limbers, on Dragons or Tractors, in Tanks and first-line M.T. vehicles of R.A. Brigades and Tank Battalions.
First Line Reserve Small Arm Ammunition.	Is the further quantity required by units as allowed for in equipment tables to complete to the war scale, and is carried in first-line transport.
Machine Guns	Machine guns and light automatics.
Mobilization Equipment	All items of equipment which are held by or for the unit to complete to approved war scale.
Military Tradesmen ...	Warrant Officers, N.C.Os. and men shown on the regimental establishment as tradesmen, and entitled to draw tradesmen's rates of pay as such.
Ordnance Mechanical Engineer.	An officer of the mechanical engineering staff, R.A.O.C., who is charged with the inspection and repair of guns, carriages, "A" and "B" (mechanical) vehicles, horse transport vehicles and other ordnance material in a depot or area.
Ordnance Officer ...	The officer charged with the general management of an ordnance depot.
Peace Equipment ...	All items of equipment which are authorized by scale (E.R., Parts 1 and 2) for use during peace.

Personal Equipment	...	Arms, accoutrements, steel helmets and respirators which are allowed for the personal use of the soldier.
Small Arms	...	Rifles, bayonets, swords, lances and pistols.
Unit...	...	A body of troops under a separate commanding officer who is an accountant.
Unit Equipment	...	All items of equipment other than personal equipment.
Vehicles, M.T. :—		
“ A ” Vehicles	...	Tracked and semi-tracked mechanically propelled vehicles. Armoured cars and lorries, A.A. gun lorries, petrol electric lorries, and trailers.
“ B ” Vehicles	...	Load and passenger carrying and technical wheeled M.T. vehicles, trailers and tractors (other than those driven by R.A.S.C. personnel).
War Equipment	...	Ammunition, guns, machine guns, small arms, vehicles, stores of all descriptions and material for repair which are authorized to enable the unit to take the field on the approved War Establishment.

ABBREVIATIONS

A.A ...	...	=	Anti-aircraft.
A.B. ...	...	=	Army Book.
A.C.I.	...	=	Army Council Instruction.
A.D. CORPS.		=	The Army Dental Corps.
A.D.M.S.	...	=	Assistant Director of Medical Services.
A.D.O.S.	...	=	Assistant Director of Ordnance Services.
A.D. of S. & T.		=	Assistant Director of Supplies and Transport.
A.E.C.	...	=	Army Educational Corps.
A.F. ...	...	=	Army Form.
A.F.V.	...	=	Armoured Fighting Vehicle.
A.I.A.	...	=	Assistant Inspector of Armourers.
A.R.A.	...	=	Army Rifle Association.
C.E. ...	...	=	Chief Engineer.
C.I. ...	...	=	Chief Inspector.
C.I.A.	...	=	Chief Inspector of Armaments.
C.I.M.T.	...	=	Chief Inspector of Mechanical Transport.
C.I.R.E.S.	...	=	Chief Inspector of Royal Engineer Stores.
C.I.S.A.	...	=	Chief Inspector of Small Arms.
C.O. ...	...	=	Commanding Officer.
C.O.M.E.	...	=	Chief Ordnance Mechanical Engineer.
C.O.O.	...	=	Chief Ordnance Officer.
C.R.E.		=	Commander, Royal Engineers.
D.A.D.O.S.	...	=	Deputy Assistant Director of Ordnance Services.
D.D.M.S.	...	=	Deputy Director of Medical Services.
D.D.O.S.	...	=	Deputy Director of Ordnance Services.
E.R. ...	...	=	Equipment Regulations.
G.O.C.	...	=	General Officer Commanding.
G.O.C.-in-C.	...	=	General Officer Commanding-in-Chief.
H.T. ...	...	=	Horse Transport.
I.A.O.S.	...	=	Inspector of Army Ordnance Services.
I.O.O.	...	=	Inspecting Ordnance Officer.
L.A. ...	...	=	Local Auditor.
L. of C.	...	=	List of Changes in War Matériel.
M.M.P.	...	=	Military Mounted Police.
M.T. ...	...	=	Mechanical Transport.
M.T.S.D.	...	=	Mechanical Transport Stores Depot.
N.C.O.	...	=	Non-Commissioned Officer.
O.C. ...	...	=	Officer Commanding.
O.M.E.	...	=	Ordnance Mechanical Engineer.
O.O. ...	...	=	Ordnance Officer.
R.A. ...	...	=	Royal Artillery.

R.A.F.	...	=	Royal Air Force.
R.A.M.C.	...	=	Royal Army Medical Corps.
R.A.O.C.	...	=	Royal Army Ordnance Corps.
R.A.O.S.	...	=	Regulations for Army Ordnance Services.
R.A.P.C.	...	=	Royal Army Pay Corps.
R.A.R.O.	...	=	Regular Army Reserve of Officers.
R.A.S.C.	...	=	Royal Army Service Corps.
R.E.	...	=	Royal Engineers.
R.H.A.	...	=	Royal Horse Artillery.
R. Signals	...	=	Royal Corps of Signals.
R.S.A.F.	...	=	Royal Small Arms Factory.
R.T.C.	...	=	Royal Tank Corps.
S.M.O.	...	=	Senior Medical Officer.
S.T. & B. Regns.	=		Supply, Transport and Barrack Regulations.
W.D.	...	=	War Department.

NOTE.—For explanation of abbreviations used in description of stores, *see* Vocabulary of Army Ordnance Stores.

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(As some typographical errors may have occurred in publication, it is requested that, should any be discovered, they may be at once pointed out, in writing, to the Under-Secretary of State, The War Office.)

REGULATIONS FOR THE EQUIPMENT OF THE ARMY, 1932

PART 1.—GENERAL REGULATIONS

CHAPTER I.—DUTIES OF OFFICERS

A.—INTRODUCTORY

1. The following regulations for the equipment of the Regular Army are promulgated for the information and guidance of officers concerned. The proportions of ammunition, equipment and materials for repair, and other details contained therein, will be strictly adhered to. Where special scales are authorized for electric lights, telegraph, telephone and signal stations, colleges, schools, etc., no details are included in these regulations, but the general procedure as regards demand, supply and disposal of such equipment will be as herein laid down.

2. In describing stores in equipment ledgers, indents, etc., the designation and sections of the Vocabulary of Army Ordnance Stores and the Vocabulary of Miscellaneous Stores for Mechanical Transport will be strictly followed. Articles not included in the vocabularies will be headed: "Not in vocabulary," and grouped under the several sections to which, from the nature of the articles or their intended use, they would properly apply. They will also be described by drawings or otherwise, where requisite, in order to obviate the necessity of making further reference. In giving dimensions, feet and inches are always to be expressed in words.

In the case of "A" and "B" vehicles, the nomenclature to be used in indenting for articles "Not in vocabulary" is as laid

down in vehicle identification lists and makers' catalogues modified as follows :—

Identification Lists.

Indents to show :

Vehicle—Ident. No.—Designation—Drawing No., *e.g.*
Tank Medium Mk. II—Ident. 397—Bolt securing V.S.M.
83705 G/2; it being unnecessary to quote the full
nomenclature of the assembly to which the part belongs.

Makers' Catalogues.

Indents to show :

Vehicle—Chassis No.—Part No.—Designation and
Code Word. (*See also* para. 26.)

B.—DUTIES OF GENERAL OFFICERS COMMANDING

3. G.Os.C. will keep themselves informed as to the condition of armaments and equipments, and will satisfy themselves that the articles which would be issued to, or taken into use by, units on mobilization are at all times maintained in a serviceable and complete condition. This applies equally to stores held as peace equipment by units and to mobilization equipment.

They are responsible for the custody and maintenance of the mobilization equipment held in their commands, both in regimental and ordnance charge, and should take such steps as will ensure that where such mobilization equipment is incomplete, the officer in immediate charge shall be able at any time to furnish a satisfactory reason.

Mobilization equipment in regimental charge will be inspected when the annual inspection of the unit takes place, unless the latter inspection is carried out when the unit is absent from the station at which its mobilization equipment is kept.

4. Equipment stored for mobilization and outfits for army reservists will be inspected by the D.A.D.O.S. annually and by the A.D.O.S. as considered necessary.

An annual examination, arranged by the O.M.E., of all optical and other instruments held in the mobilization equipments will also be made.

In each case the result of these inspections will be reported on A.F. G 1097, which will be forwarded to the headquarters of the command, and will not be transmitted to the War Office unless, for any reason, the G.O.C. wishes this done.

To assist in the maintenance of equipment in a serviceable condition, technical inspections will be carried out periodically

by inspection branches and by the R.A.O.C. of armament, arms, ammunition, vehicles, instruments and other technical stores in peace and mobilization equipments.

A list of these inspections is given in **Appendix 50**.

5. (1) The G.O.C. or other O.C. a command or other independent district will be responsible for seeing that equipment is issued to the troops for service purposes in accordance with the authorized proportions, but in cases in which it is found necessary, in view of any exceptional circumstances, that these should be exceeded, he will (if the stores are available within the command or district) give authority in writing to the administrative head of the R.A.O.C. in the command or district to meet these temporary requirements. This written authority will be attached to the indent forwarded to the O.O. of the issuing depot, with a brief statement of the circumstances necessitating the issue. When the articles are not available in the command, special War Office approval will be required before supply can be made.

(2) The issue of bicycles under this para. may be authorized subject to each of the following conditions obtaining :—

- (a) The cycle allowance provided in Allowance Regulations has exceeded £3 10s. during the preceding twelve months, or, in the case of a new service, the allowance is estimated to exceed 7s. 6d. a month.
- (b) The service is of a continuous nature.
- (c) The service is such that due supervision of the use of a public bicycle can be exercised, and that repairs can be executed in government workshops.

All authorities are to be reviewed half-yearly, and bicycles withdrawn in all cases in which these three conditions are not satisfied.

In all cases where it is required to retain a bicycle issued in excess of approved scales for a period longer than twelve months, full particulars as to the need for the continuance of the issue should be included with the statement rendered under para. 7.

(3) It must be distinctly understood that the power of the G.O.C. to approve such excess issues does not extend to ammunition, except as provided in para. 172, and explosives, nor to permanent issues of any kind, except issues of material for repair due to fair wear and tear in excess of authorized scales and except as otherwise provided for in these regulations. The financial effect of the excess issue will be carefully considered before approval is given.

(4) Issues of stores in excess of barrack schedules are dealt

with in Regulations for Supply, Transport, and Barrack Services, 1930, para. 637.

6. In any instance in which equipment, other than ammunition, is drawn in excess of the authorized proportions without the written authority required by para. 5, the case should be submitted without delay to the G.O.C., who will deal with it as a matter of discipline. When consumable stores are concerned, the excess issues should be treated as losses and dealt with under King's Regulations.

7. A statement of all issues, other than for encampments, approved under para. 5, with remarks as to the necessity for such issues, will be rendered by the command to the Under-Secretary of State, The War Office, half-yearly on the 1st January and 1st July. This statement will include not only excess issues approved during the preceding six months but any such issues made in former periods which are still outstanding and which it is desired to renew.

When it is considered desirable that the item or items should be approved as a permanent addition to an establishment, the G.O.C. will report full details quarterly to the Under-Secretary of State, The War Office.

8. In the event of any unnecessary delay occurring in the supply of equipment, the G.O.C. will report the circumstance, with the explanation of the D.A.D.O.S. concerned, to the War Office.

9. The G.O.C. will cause arrangements to be made for the safe custody of duplicate keys of all public safes and boxes, regimental funds, in use in the command.

10. Whenever, in his opinion, a situation has arisen which may render the carriage of unescorted arms, ammunition, or explosives, or other W.D. stores by road, rail, or water undesirable, a G.O.C.-in-C.* will issue such instructions for the provision of escorts as he may deem necessary.

When the carriage is by goods train or, in the case of explosives, by any train, a special warrant must be issued to the railway company to enable an escort to accompany the stores.

Two distinct types of warrant are provided for this purpose, one for explosives or other dangerous goods, and one for stores, equipment, tanks, dragons, etc., but in the case of tanks, dragons, etc., being conveyed with their ammunition, the former type of warrant will be used.

* Also the G.Os.C. London and Northern Ireland Districts when applicable.

The appropriate warrant will be signed on behalf of the Secretary of State for War by a G.O.C.-in-C.,* an area commander, or the D.D.O.S. Warrants for explosives despatched from ordnance depots in accordance with the Regulations for Army Ordnance Services, Part I, 1929, will be signed by A.Ds.O.S. of commands and C.O.Os. specially authorized by the War Office. (*See also* para. 82.)

11. With a view to safeguarding serviceable tanks or dragons when in the course of movement by rail on any occasion and to enable them to be replaced (under their own power) in their correct position on the wagons, if they become shifted during transit, it may be necessary for military guards to be allowed to travel on the trains carrying the tanks or dragons.

The military guard will normally consist of one N.C.O. and four men in the case of movement of six tanks or dragons or less. When more than six machines are being carried, the guard may be adequately increased.

Immediately the movement of tanks or dragons by rail has been authorized and it has been decided that a guard is necessary, the consigning officer will make arrangements for a suitable guard to be provided and will notify the Director of Mechanization, The War Office, by telegram of the composition of the guard, so that the railway companies may be instructed to provide special accommodation for the personnel by the train conveying the tanks or dragons. At least one driver mechanic must be included in the guard and the men should be instructed that they are not to travel in the tank or on the tank wagon while the train is in motion.

The special warrants referred to in para. 10 will be used and the following additional officers are authorized to sign them :—

The Commandant, R.T.C. Centre.

C.O.O., Royal Arsenal, Woolwich.

C.—DUTIES OF COMMANDING OFFICERS

12. C.Os. will be held directly responsible for seeing that their equipments are in a serviceable condition, in proper working order, complete in all their details, and in the authorized proportions unless otherwise specially ordered. They will make frequent inspections of the whole of the equipments of the men and horses under their command, and when any defects are discovered will at once take steps to have them remedied. Officers who are likely to require renewal or exchange of any considerable part of their equipment will give early intimation to the D.A.D.O.S.

* Also the G.Os.C. London and Northern Ireland Districts when applicable.

Commandants of schools of instruction and similar institutions will be regarded as C.Os. for all purposes to which the instructions contained in these regulations apply.

13. They will be responsible that valuable and attractive stores when not in use are kept under lock and key, that the keys are not interchangeable and that the keys remain in the personal custody of the officer or other responsible person to whom the safe custody of the stores is deputed.

14. They will be held responsible, in the case of alterations of pattern, or of changes in the proportions in which articles forming their equipments are issued, for ensuring that the necessary action is taken to provide for such changes. (See paras. 223 and 224.)

15. They will compare the quantities of mobilization stores in their charge, as shown by the war equipment tables of their respective units, with the remains of the stores shown at the end of their mobilization equipment ledgers when the account is closed for audit. A certificate will be furnished at the end of the ledger that this has been done, and a detail, with explanations, will be given of any discrepancies found.

16. Alterations to equipment (*see* Definitions) involving any departure from the sealed patterns, either for experiment or any other purpose, are strictly forbidden without the previous sanction of the War Office.

17. Suggestions for improvements in design of service stores may be submitted through the normal channels. (*See* King's Regulations, 1928, paras. 1556 and 1557.)

Such suggestions should be accompanied, where possible, by sufficient data (including sketches) to enable them to be clearly understood, and should be signed by the individual responsible for the suggestion. Effect upon interchange with existing service stores should be borne in mind.

18. On a change of command a regimental board will be assembled to take stock of the equipment and verify the ledger balance. The convening officer may detail as a member a warrant officer or senior N.C.O. who is not directly concerned with the accounting for, or the charge of, the stores concerned. Both the incoming and the outgoing commanding officers, or their representatives, should be present and sign the proceedings, which will be certified in the form shown in **Appendix 1**, and will accompany the regimental equipment ledger, on transmission of the latter, as laid down in that appendix. In a case where the officer taking over the command does not arrive until after the departure of the outgoing C.O., the regimental board will be assembled prior to the departure of the outgoing officer,

and the senior officer remaining with the unit will take over, and be responsible for, the equipment until it is handed over by him to the officer assuming command. (See paras. 120 and 122 regarding the verification of lists of official books, etc.)

19. The stocktaking board may be dispensed with if the officer taking over the charge of the equipment considers it unnecessary, but he will then be held responsible and will himself sign the form of certificate shown in para. 5 of **Appendix 1**, and dispose of it as therein directed.

20. In the case of a transfer of charge of the equipment of a sub-district in an artillery district, the verification of the stores in connection with the armaments, by a board, need not be carried out unless at the request of either of the officers concerned. Should such a request be made by either the officer handing over or the one taking over charge, the O.C.R.A. will appoint a board for the purpose. (For constitution of the board, see para. 18.) Should no board be assembled, the officer taking over charge will be held responsible for the correctness of the stores taken over by him, as shown by the "State" at the opening of the accounts, subject to variations caused by subsequent duly vouched store transactions.

21. When deficiencies or damages are discovered on a transfer of the equipment, the value of the articles deficient, or the cost of making good the damages, will be recovered from the officer giving over the command, unless he has been relieved of the responsibility by the G.O.C. In the case of personal equipment, the usual steps will be taken to recover the cost of replacing or repairing.

22. In order to facilitate the maintenance of stocks, the C.O. will at all times furnish the D.A.D.O.S. with such information as he may require regarding the state of the equipment in his charge.

23. All communications connected with the supply of equipment will be addressed to the D.A.D.O.S. of the area or command, who will, if necessary, take the orders of the G.O.C. on the subject.

24. The C.O. will bring to the notice of the G.O.C. any undue delay in the supply of equipment, the report to be accompanied by the remarks of the D.A.D.O.S. of the area or command.

25. The original keys of safes and boxes, regimental funds, will be held in the personal custody of the officers or other responsible persons using or in charge of the safes and boxes, regimental funds, and they will be responsible for ensuring that such keys are not left in places even remotely accessible to the general public or subordinates.

When the original or duplicate key is broken or lost, a new key is not to be manufactured locally, but the circumstances will be reported at once to the D.A.D.O.S., who will arrange for action to be taken in accordance with R.A.O.S., Part I.

The cost of altering the combination of the lock or for other repairs to safes and all expenses in connection with carriage, etc., will, subject to the provisions of the Army Act, be charged against the individual responsible for the safe custody of the key.

CHAPTER II.—GENERAL SUPPLY OF EQUIPMENT

A.—SUPPLY OF EQUIPMENT

26. Indents for articles required for the maintenance or completion of authorized equipments will be rendered to the D.A.D.O.S. of the area or command on the dates given in para. 28 by officers who are accountants. They will be forwarded in duplicate on the authorized forms, which will be completed where necessary to show the paragraph or table of the regulations authorizing the issue, the establishment of men, animals, vehicles or equipment, and the quantities in possession.

To enable technical parts to be readily identified, the number allotted to such parts, as shown in the official identification list, appropriate vocabulary or makers' catalogue, will be included in the indent and should precede the designation of the item.

A separate sheet (or division of such forms as are divided by perforation) will be used for each vocabulary sub-section, and will bear the regimental or corps office stamp. Stores will be entered on indents in the same alphabetical order as they appear in the vocabulary, identification list or catalogue.

Indents for stores for "A" and "B" vehicles will show the number of vehicles of each type on charge for which stores are demanded, the type, horse-power, make, and the chassis number of the vehicle; they will be marked "A" or "B" in the top right-hand corner according to the classification of the vehicle, and a separate sheet will be used for each type of vehicle. (*See also* para. 2.)

Indents for ammunition and stores required on payment will be endorsed to that effect in red ink.

27. Except for the special services referred to in para. 1, the E.R. are the sole authority for the issue of peace equipment.

Indents for stores not allowed by regulations will be accompanied by a report as to the circumstances in which the store is demanded. This report will be forwarded by the A.D.O.S. of the command to the D.D.O.S. with the demand for the stores, and a copy of the report will be forwarded to the C.I.A., Royal Arsenal, Woolwich.

The latest print of the war equipment table published by Army Orders is, under this para., the authority for the scale of mobilization equipment to be stored during peace and for the

storage and issue on mobilization of war equipment for units which do not exist in peace.

Initial supplies of war equipment tables to units will be made by the A.D.O.S.; any further quantities required will be demanded by units direct from the Army Forms Depot, War Office.

28. Except in emergency, indents will be rendered to the R.A.O.C. on the following dates :—

—	Army Form.	When rendered.
(a)		
Materials for repair of—		
Small arms	G 829	} Annually, on 1st March.
Machine guns	G 997	
Accoutrements	G 957*	
Harness, saddlery, and packsaddlery	G 1037*	
Materials for repair of—		
Carts and wagons	G 997	Annually, on 1st September.
Materials for repair of bicycles	G 997	} Quarterly—on 1st March, 1st June, 1st September and 1st December.
Materials for repair and maintenance of "A" and "B" vehicles	G 997	
Veterinary stores	G 997	
Stable necessities	G 997	
Stores required to complete equipment or to replace unserviceable articles not otherwise provided for in this list ...	G 997	Monthly.
(b)		
Materials for cleaning and preserving small arms and machine guns ...	G 997	} When necessary.
Gun and howitzer ammunition ...	G 988	
Small arm and machine gun ammunition	G 812	
Camp equipment	G 968	
Surveying and drawing instruments (R.E. only)	G 1017	
Materials for repair of respirators ...	G 997	

When small quantities of camp equipment or material for repair are required, A.F. G 997 will be used in lieu of the special forms.

Indents for material for the repair of Vocabulary Section B articles held on inventory charge will be submitted to the officer in charge of barracks.

* These Army Forms will not be reprinted. When stocks are exhausted, A.F. G 997 will be used instead.

29. To obviate the necessity for intermediate indents, the C.O. will cause an inspection of the equipment to be made before the monthly indents are prepared. To meet immediate and unforeseen requirements, certain spare articles of equipment are supplied as detailed in the several sections of E.R., Part 2.

When accoutrements are lost, or arms are damaged to such an extent that the armourer cannot repair them, the wants may be temporarily met by using the equipment of men who are for the time non-effective.

30. When indents are rendered on dates other than those laid down in para. 28 (a), a statement will be forwarded for the information of the G.O.C., showing why the requirements were not foreseen and why the supply could not wait until the next periodical indent is rendered.

31. On notification of a change of pattern involving the immediate withdrawal of that in use, indents will be forwarded for the new equipment, but a C.O. will not demand any article from store on account of a preference which he may have for a particular pattern.

32. When a unit is ordered abroad, indents will be submitted at once for any articles required to complete the equipment of the unit in accordance with the scales authorized for the particular service.

33. Until a C.O. has satisfied himself that articles are thoroughly unserviceable and cannot be repaired by the means at his disposal he will not forward indents for their replacement.

Special authority will be required for the exchange of serviceable equipment or of equipment which can be repaired regimentally by military tradesmen.

34. Indents and vouchers for equipment for the use of detachments will be signed by the O.C. the unit, unless the officer in command of the detachment is a direct accountant.

When stores are issued the O.C. the detachment will furnish the O.O. with a temporary receipt, and will be responsible for the stores until vouchers have been passed.

When stores are urgently required the O.O. will make the issue at once, the O.C. the detachment taking the necessary steps to procure a covering indent.

35. A free initial issue of a revolver, binoculars and prismatic compass, will be made to officers (except Native officers) as laid down in **Appendix 42**, on first appointment to permanent commissions in the Regular Army. New articles will be issued.

36. In the case of officers of the Supplementary List of the Regular Army Reserve of Officers serving with the Household Cavalry or Foot Guards with a view to obtaining permanent commissions therein, a revolver, binoculars and prismatic compass will be issued on loan, under regimental arrangements. The articles will be demanded from the R.A.O.C. and held on equipment ledger charge of the unit concerned. When the officer is appointed to a permanent commission in the Regular Army these articles will be definitely handed over to him as a free issue and struck off ledger charge by certificate voucher.

If the officer does not obtain a permanent commission, he will be required to hand in the articles to unit store in a serviceable condition.

37. Small arm ammunition and service-pattern articles which form part of an officer's regulation kit as shown in the Field Service Manuals, also surveying and drawing instruments necessary for carrying out his military training and education, and which he may require for his own personal use, may be issued on prepayment.

Saddlery and stable necessities may, when stocks admit, also be issued on prepayment to officers up to a limit of (a) two sets of saddlery; (b) stable necessities for four horses. This limit will extend to the entire period of the service of an officer.

The indent for saddlery and stable necessities will be accompanied by a certificate by the officer concerned, countersigned by his C.O., to the effect that the articles are required for his personal use, and that the limitation referred to in the preceding sub-para. will not by the issue be exceeded.

Rifles may be issued under the conditions laid down in **Appendix 16.**

Other articles, except as provided for in para. 389, will not be issuable on payment to officers without War Office authority.

38. The value of stores issued on payment, and of ammunition issued under paras. 176 and 177, will be recovered through the command paymaster in whose area the issuing officer is stationed.

One copy of the priced voucher will be forwarded to the command paymaster, and two copies, to one of which should be affixed the demand slip (A.F. P 1921), to the O.C. the unit to whom the issue is made. A fourth copy will be retained by the issuing officer. On receipt of the priced vouchers, the O.C. the unit will forward both copies, together with a remittance for the value of the stores shown thereon, to the cashier of the command, who will return one copy, duly receipted, to

the C.O. The command paymaster will return the second copy to the O.O. duly endorsed with a reference to the account in which credit to the public has been given ; the other copy will support the credit in the command paymaster's account.

If the issuing officer does not receive the second copy, endorsed as above, from the command paymaster, within a reasonable time, he will report accordingly to command headquarters through the usual military channels.

39. When articles comprising two or more component parts become damaged, and the undamaged component can be used again, special care will be taken when formulating demands to ask only for the components that are actually required.

40. Stores for maintaining equipments or for special services are not to be appropriated to other purposes without special authority obtained through the D.A.D.O.S.

41. The supply of all equipment, except ammunition, due to units proceeding from one district to another, is dealt with in R.A.O.S., Part I.

42. Units, other than those of R.E. and R.A.S.C., moving to and from all stations at home and abroad (except India) will take with them, unless otherwise specially ordered, the whole of their peace equipment except as laid down in paras. **44, 67, 68, 70, 101, 277, and 354,** and except that :—

- (a) field guns will not be taken by R.A. to and from stations abroad unless special instructions to that effect are issued ;
- (b) gun ammunition, D.P. rifles, D.P. bayonets, D.P. machine guns, D.P. barrels and D.P. magazines will not be taken (D.P.B. barrels will be taken with the service guns) ;
- (c) harness, saddlery and packsaddlery will only be taken if horses (or mules) accompany units ;
- (d) H.T. vehicles and ammunition wagons will only be taken when units move by march route ; and
- (e) normally the M.T. vehicles of a unit will accompany it on change of station at home.

Sheets, ground, allowed for peace training at home stations will be left behind by outgoing units and taken over by incoming units.

Instructions as to moves to India are given in **Appendix 3.**

43. On change of stations at home and abroad (except

India) by R.E. units and R.A.S.C. companies, only the following will be taken :—

- (a) Personal arms and equipment.
- (b) Machine guns complete with appurtenances and mountings.
- (c) Signalling and telephone equipment, watches, compasses and binoculars.
- (d) Farriers', saddlers' and bicycle tools, stamps and marking appliances.

All other stores, except bicycles (*see* para. 44) and small-arm ammunition for escorts (*see* para. 70), will be left behind by outgoing units and taken over by incoming units. If an outgoing unit is not being replaced, stores will be returned to R.A.O.C.

Any stores due from R.A.O.C. to outgoing units, to complete or to repair equipment left behind, will be issued to relieving units.

In the case of exchanges within the British Isles an officer, and if necessary a N.C.O., of each unit will proceed in advance to the new station to take over the stores left behind by the outgoing unit. The transfer of stores will be conducted under para. 109.

44. Bicycles, other than those issued under para. 5, will accompany units on change of stations at home. In the event of a unit proceeding to or from a station abroad, the bicycles will be returned to the R.A.O.C.

Bicycles issued under para. 5 will be dealt with as in para. 69.

45. When stores are to be drawn by troops direct from an ordnance depot the issue vouchers will be sent as a notification that the stores are ready for removal. Units will then arrange for the conveyance of the stores, and will produce the vouchers when applying for them.

B.—RECEIPT AND INSPECTION OF EQUIPMENT

46. When equipment is received by the troops, the officers or others receiving it will ascertain that the various packages are in good order and condition, and that sealing labels where used, are not broken, but whether in external good order or not, all packages must be immediately weighed and compared with the weight marked on the outside.

Should the weights differ, or packages appear to have been tampered with or damaged in transit, the contents will be examined and compared, in the presence of the carrier's representative, with the packing note which each package should

contain. Any damage or deficiency must be recorded on the carrier's note or bill of lading.

The contents of the packages should be examined at the earliest opportunity after receipt. Until this is done and the contents are found to be correct, any receipt given to the carrier should be qualified by the words "Contents not examined."

When any deficiencies and/or damages caused during land or coastwise conveyance are discovered, a report will be made to the carrier and to the consignor and will be confirmed to the former in writing on A.F. G 978 within three days. Unless this is done the carrier may disclaim liability. A separate report, which should include full particulars and the value of the deficiencies or damages, will also be made within three days to the officer i/c transport of the consignor's sub-district, who will be responsible for subsequent investigation and recovery of the value of the loss or damage from the carrier.

Detailed instructions regarding the action to be taken by consignees when reporting deficiencies and/or damages caused during conveyance by sea, other than coastwise, will be found in the Regulations for Supply, Transport and Barrack Services, 1930.

47. The articles will be examined, as soon as possible after receipt, in the presence of not less than two officers, one being the C.O., or an officer deputed by him. The C.O. may detail, instead of one of the officers, a warrant officer or senior N.C.O. who is not directly concerned with the accounting for, or the charge of, the stores concerned.

48. The equipment will be carefully inspected to verify that the articles delivered agree with the particulars in the vouchers and that they are correct in point of quality and pattern. Articles received by number and weight will be both counted and weighed.

49. Should the precautions in the preceding paragraphs be omitted, the officer receiving the stores will render himself liable for any discrepancies.

50. When discrepancies are found to exist between the quantities or descriptions of stores actually received and those charged, a discrepancy report on A.F. G 985, in duplicate, accompanied by packing notes, will be sent to the consignor. The fullest information will be given thereon, all numbers and weights, and any marks upon the packages giving evidence of their having been tampered with being carefully recorded. The packages, with their notes and all wrappers, will be retained until the inquiry closes. The original copy of the discrepancy report, with the subsequent correspondence, will be attached to the receipt voucher in support of the alterations

made therein. The original entry in the consignor's ledger will be allowed to stand. The duplicate copy of the discrepancy report, showing how the discrepancy has been adjusted, will be attached by the consignor to the issue voucher. The numbers and descriptions of stores actually received will be brought to account, and a receipt given to the consignor for these numbers and descriptions only, except where it is clear that the full numbers charged were actually issued by the consignor, and it is also evident to the consignee how the deficiency has arisen, *e.g.* a loss from a sling in unloading a vessel, when the matter will be dealt with by the consignee in accordance with King's Regulations, a clear receipt being given to the consignor, and a copy of A.F. G 998 recording the decision being attached to the receipt voucher by the consignee.

If the discrepancy be admitted by the consignor, his account will be adjusted by certificate receipt or issue voucher for the numbers over or under charged, a reference being given upon the certificate voucher to the original issue voucher and upon the original issue voucher to the certificate voucher.

When the consignor cannot admit that the consignee's report of the discrepancy represents the actual issue, the matter will be dealt with by the consignor, and in the case of deficiencies action will be taken in accordance with King's Regulations and the consignee notified to this effect on the original copy of the discrepancy report. A copy of A.F. G 998, on which will be recorded the decision of the G.O.C. or of the War Office, will be attached to the issue voucher by the consignor.

51. Objections that may arise on the ground of equipment being of an inferior quality or of an obsolete pattern, or for any other cause, will, if possible, be made by the C.O. before the articles are taken on charge, as after the receipt has been signed the responsibility for the condition of the articles will devolve upon him. Serviceable articles are not to be objected to on account of their being part worn.

52. The hermetically closed cases in which fuzes, tubes and certain other articles are issued, will not be opened until the contents are required for use. Packages containing small arm ammunition and gunpowder will be taken on charge unopened.

Tinned plate cylinders and boxes containing detonators, tubes, fuzes, rifle grenade cartridges, aiming tube cartridges, primers electric and percussion, primers light G.S., primers portfire, primers rocket, primers guncotton, cartridges Q.F. howitzer, mortar cartridges, guncotton yarn, exploders H.E.

shell and tracers shell, will not be accounted for separately when containing such ammunition.

Zinc or tinned cylinders for B.L. cartridges will be accounted for.

Any defects or discrepancies which may be discovered when the stores are subsequently inspected or used will be reported at once and all details upon the cases will be quoted.

53. Cinematograph films in possession of units will always be stored in the metal transit cases in which they are received from the R.A.O.C., and when returned to R.A.O.C., or sent elsewhere, they must be despatched in the metal transit cases.

54. In cases in which the reports of C.Os. or others bring to notice inferiority of quality or pattern, the matter will be reported to the War Office if the G.O.C. considers further action necessary.

55. A C.O. in receipt of articles of equipment which are not brought on charge, will, pending the result of a report on their condition, be held responsible for their safe custody until a decision has been given as to their disposal, when he will either take them on charge or return them to store, as may be ordered. He will also be held responsible for the immediate return to store of any equipment issued to him which, in cases of emergency, he may be unable to take on charge. Should he fail to carry out these instructions, he will be liable for any loss that may ensue.

C.—RETURN OF EQUIPMENT

56. Whenever it becomes necessary or advisable to return stores to the R.A.O.C., C.Os. will make application to the D.A.D.O.S. to receive them, stating their description, number, condition, and the reasons and authority (if any) for returning them to store. The D.A.D.O.S. will add his instructions and return the document to the unit, by whom it will be attached to the voucher on which the stores are charged to the R.A.O.C. When guns and mountings for drill, practice, time, saluting or instructional purposes are unserviceable, indents to replace them may be put forward without reference to the War Office, but no replacement of guns, etc., in armaments and batteries of artillery should take place without previous reference to the War Office, unless in very exceptional circumstances, when the matter should be immediately reported.

57. Unserviceable or obsolete stores on charge of a unit may, under the authority of the G.O.C., obtained through the D.A.D.O.S., be disposed of locally to save the expense involved

in transporting them to the nearest ordnance depot for survey and condemnation. In giving effect to this arrangement the general rules to be observed in the condemnation of equipment are as follows :—

- (a) The condemnation of stores will not be effected by the unit on whose charge they are held.
- (b) Whenever possible the condemning authority should be either an O.O. or a garrison board.
- (c) At remote stations where there are insufficient officers to form a garrison board, it may be undesirable, in the interests of economy, to adopt either alternative mentioned in sub-para. (b). In such cases the G.O.C. may instruct a competent military officer to examine the stores and, after consideration of his report, authorize their condemnation and local disposal. Officers should not be specially detailed for this duty if, within a reasonable time, a qualified officer will visit the station in connection with other military duties.
- (d) All instructions for the disposal of stores will be given by the D.A.D.O.S.

58. When stores are returned to the R.A.O.C., vouchers will be prepared by carbon process on A.F. G 1033 and forwarded in triplicate, except when stores are to be actually handed over at an ordnance depot, when they should, when possible, be forwarded in quadruplicate. In the latter case a temporary receipt will be given on the quadruplicate copy of the voucher, or, in its absence, on any receipt form prepared by the unit, in duplicate, the duplicate copy being retained by the R.A.O.C. A separate voucher will be prepared for each vocabulary sub-section, and each sheet will bear the regimental or corps office stamp. The identification number of technical parts, as given by identification list, will be shown on the voucher immediately preceding the designation of the item. The W.D. registered number (or, if such does not exist, the maker's name and number) of any of the stores detailed in **Appendix 4** will be inserted on the vouchers. In the event of any of these articles having no such number, the remark "No identification mark exists" will be entered. The vouchers will be signed by the consignor, and one copy, duly signed by the consignee, will be returned as soon as practicable after the stores have been received. When stores are passed to other accountants, the vouchers will be forwarded in duplicate only. Copies of vouchers required under the cost accounting scheme are not included in foregoing instructions.

59. Packages (including sacks used for packing purposes)

will be charged or mentioned on the same voucher as the stores that are contained in them. In the event of stores on two or more separate vouchers being contained in one package, the vouchers on which the stores are charged will give a reference to that on which the package is charged.

60. When stores are returned from a distance, vouchers will be sent by post, on the same day that the stores are despatched, to the O.O. to whom they are consigned. The number and date of the order directing the return of the stores will be inserted in the headings of the vouchers, and a corresponding number and date will be conspicuously marked on the outside of each case or package, so as to enable the consignee to identify it immediately on receipt. The vouchers will also quote the number and date of the carrier's or convoy note on which the stores were despatched. Each case, bale or package will be weighed, and the weight marked upon it.

61. C.Os. will make their own arrangements for conveyance (as in the case of issues, *see* paras. 45 and 63) when returning unserviceable and surplus equipment to R.A.O.C.

62. When consigning stores, etc., C.Os. will arrange that packing-cases and chests not securely fastened with hoop-iron bands, are sealed with labels (A.F. G 1018), which will be securely pasted over the external junctions of the bottom and body, and lid and body of the cases, etc. The labels when put into use will, for identification purposes, be impressed with the consignor's regimental or office stamp.

These instructions will not apply to packages containing explosives already sealed with explosives labels, or to boxes containing such stores as horseshoes, nails, etc., which are not liable to theft.

63. When a unit is quartered at a station where there is an ordnance depot, issues of equipment such as small arms, accoutrements, harness, pack-saddlery, saddlery and parts of bicycles, to replace similar unserviceable articles, will not be made until the unserviceable articles have been returned to the R.A.O.C., inspected, and condemned, or returned to the R.A.O.C. after inspection and condemnation by the C.I.S.A., C.I.A. or other inspector. The day and hour for return of unserviceable equipment and for issue of new equipment will be arranged by communication between the O.O. and the C.O.

64. When no ordnance depot exists at the station, the unserviceable articles will be returned to store as soon as possible after receipt of the new equipment. Corps marks will not be placed upon the new equipment until a notification

is received from the O.O. that the articles returned are considered to be in a state for condemnation. The inspection and notification by the R.A.O.C. will be carried out immediately the stores are received. Should any of the equipment so returned be found to be still serviceable or capable of repair by military tradesmen, the D.A.D.O.S. will call upon the C.O. to accept return of such equipment, or, if liability is not admitted, to furnish an explanation for the information of the G.O.C., who will decide whether the troops should be held liable, or a board of officers be assembled to investigate the matter. If it is decided that the articles have been improperly returned, they will be sent back to the unit, and the new articles will be returned to the R.A.O.C., the cost of carriage unnecessarily incurred being defrayed by the C.O.

65. Should it be considered that any articles returned as unserviceable have become so from unfair usage while in possession of the troops, the D.A.D.O.S. will prefer a claim against the C.O. and, if the latter disputes liability, will then report the facts to the G.O.C., who will determine, by means of investigation by a board of officers, or otherwise, whether the troops are liable.

66. No reduction in any authorized equipment will be made except as permitted by E.R., Part 2, Section XII (a), without the sanction of the War Office, but if, owing to an authorized reduction, or any other cause, officers who are accountants have on charge surplus equipment not likely to be again required within a short period, the G.O.C. will decide whether it shall be retained or returned to store. When a reduction in the establishment of men or horses is authorized, the articles to be disposed of will be the actual complete sets of equipment in use by or held for the men or horses.

67. Units will, on change of station, obtain the authority of the G.O.C. for the return to R.A.O.C. of such stores of a bulky nature as can be temporarily dispensed with.

On receiving the stores the O.O. will furnish the C.O. with a certificate of their quantity and condition. This certificate will be attached to the indent for equivalent supplies at the new station.

68. When it is not advisable to return these stores (as, for example, should there be no ordnance depot at the station to which the unit is proceeding whence a fresh supply could be obtained), they will be taken with the unit, and public conveyance will be provided; but if this is impracticable and expenses are incurred for carriage from one station to another, the charge must be supported by a list of the stores and a

certificate from an officer of the R.A.S.C. to the effect that army transport could not be provided.

69. All equipment issued to meet the purely local requirements of a station will be returned to store by outgoing units, unless it is required to be handed over to the incoming unit, when the transfer will be effected through the R.A.O.C.

70. On change of station outgoing units will hand over all equipment and practice small-arm ammunition on charge to the incoming unit, with the exception of a sufficient quantity to provide guards and escorts with 20 rounds a man.

Equipment ammunition, practice ammunition and opened boxes of either category will be shown separately on the vouchers, and certified copies of the vouchers will be forwarded by the incoming unit to the D.A.D.O.S. of the area.

The officer who hands over the ammunition will be furnished with a proper receipt, which will be the authority for the unit to draw a similar quantity at the new station (*see* para. 180).

In any case where handing over to the incoming unit is not practicable, the outgoing unit will report the circumstances to the D.A.D.O.S. of the area, who will issue disposal instructions.

71. When stores are issued on loan from the R.A.O.C. (as, for instance, for the service of moving ordnance on re-armament), the C.O. to whom they are lent will be held responsible for returning them as soon as the object for which they have been issued has been accomplished.

72. C.Os. are responsible for seeing that all packages (including sacks used for packing purposes) received with equipment of any kind are handed over to the R.A.O.C. as soon as they can be dispensed with.

73. As at stations where there is no ordnance depot a consignment of cases, etc., from a single unit might be insufficient to obtain the lower rate of freight, Os.C. troops will, subject to para. 56, arrange, monthly if necessary, for all empty packages to be sent in one consignment to the ordnance depot concerned. Each package will have clearly marked upon it the name of the consigning unit.

74. The utmost vigilance is required on the part of officers returning stores, in order to guard against explosives being returned into ordinary store depots, instead of into the magazines, as well as to preclude the possibility of matches, iron nails, etc., being left among stores of any kind. Particular attention will be paid to the inspection of personal equipment to see that no live rounds of S.A.A. are contained therein.

75. All empty ammunition or powder barrels, or packages, will be most carefully examined to see that they are free from iron tacks in the head, and grit and dirt on the staves, before being returned into store.

76. Instructions regarding the conveyance of stores, etc., sent away from consignor's station will be found in King's Regulations and in the Regulations for Supply, Transport and Barrack Services. (See also **Appendix 44** regarding storage, use and conveyance of inflammable and other dangerous stores.)

77. When articles are returned to store in packages, a packing note on A.F. G 1028, signed by the packer and also by the person witnessing the packing, will be placed in each package. The W.D. registered number (or, if such does not exist, the maker's name and number) of any of the stores detailed in **Appendix 4** will be inserted on the packing note. In the event of any of these articles having no such number, the remark "No identification mark exists" will be entered.

78. Live ammunition or explosives will never be packed in the same boxes with non-explosives or fired cartridge cases and similar articles.

Packages containing fired cartridge cases and similar articles on return to R.A.O.C. will be clearly marked as "free from explosives."

79. In the case of "fired" cartridge cases (other than S.A.A.) and similar "fired" ammunition, a certificate to the effect that the contents are "fired cartridge cases, etc., and free from explosives" will accompany the vouchers on which the stores are charged. These certificates will be signed by an officer or responsible warrant officer or N.C.O.

80. When packages (except those for filled shell and S.A.A.) containing explosives are emptied, they will have a label * attached in such a manner that the package cannot be opened without tearing it. The label will show the corps or department by which emptied, the date and the station, and will be signed by the person who examined or emptied the package, who will be responsible that the package is empty.

81. When stores are forwarded under escort or by convoy, convoy notes, A.B. 158, will be prepared in triplicate, detailing bundles, bales, packages and loose articles, and signed by the officer despatching the stores. These notes will be handed to the O.C. the escort, or to the conductor, who, after satisfying

* Label L 412 supplied by R.A.O.C. on indent, as required.

himself that the packages, etc., are correct, will receipt one copy and return it to the consignor.

On arrival at the destination the convoy notes will be handed to the consignee, who will return a receipted copy to the O.C. the escort, or to the conductor.

When there is a discrepancy between the packages, etc., actually received and those detailed on the convoy notes, the necessary inquiries will, if possible, be made before the O.C. the escort or conductor is discharged. The convoy notes will be amended to agree with the stores actually received.

Issue vouchers will be passed in the ordinary way for stores forwarded by convoy or under escort.

82. In the event of the orders existing in the district rendering a military escort necessary, the consignor will apply to the C.O. for the escort, stating the day and hour when it will be required and, unless the transport is provided by the troops, the number of vehicles to be escorted. (*See also para. 10.*)

83. The fired cases of small-arm ball and blank, and .22-in. R.F. cartridges supplied gratuitously will be brought on equipment ledger charge by certificate receipt voucher in the proportions shown below, and returned to the R.A.O.C. The cases will be brought on charge by weight and not by numbers.

Nature of ammunition.	Weight to be brought to account per 1,000 rounds expended.
.22-in. R.F.	lb.
.303-in. ball	14
.303-in. blank	24
.303-in. blank	12
Revolver, .455-in., ball and blank ...	9
Revolver, .38-in., ball and blank ...	7
.5-in. ball	70
.5-in. blank	70

The rates to be charged for any deficiencies in the above proportions for ammunition supplied gratuitously, and amounts to be refunded to units returning fired cases of ammunition supplied on payment, will be notified half-yearly to A.Ds.O.S. and D.A.Ds.O.S. by the D.D.O.S. These rates will be notified in command orders.

The number and date of the ordnance voucher on which the cartridges were received will be quoted on the issue voucher (A.F. G 1033) charging the empty cases to the R.A.O.C.

Charges and refunds under this para. will be adjusted in the accounts of the command paymaster.

84. Cases will be returned to store in the empty ammunition packages once a quarter, and C.Os. will not return a less weight than that representing 1,000 cases, except in the last quarter of the accounting year, when the outstanding balance, whatever it may be, will be sent in. Cases must be in good condition when returned, care being taken that grit and dirt are removed and that no live cartridges, chargers or any metal other than brass or copper are included in them. Each package will contain a packing note, on A.F. G 904, showing the rank, name and unit of :—

- (a) The person by whom the cartridge cases were sorted and packed.
- (b) The responsible individual supervising the sorting and packing operations.

A certificate to the effect that the cases are free from explosives and that no metal or material other than brass or copper is contained in the packages will accompany the vouchers on which the cases are charged.

If live cartridges are found in any of the packages, the matter will be reported to the G.O.C. for such disciplinary action as he considers necessary.

85. The foregoing general instructions apply equally to chargers and bandoliers issued with ball ammunition.

Chargers and bandoliers will not be brought on charge separately when issued with ball ammunition, but the vocabulary designation of the ammunition will be amplified on the following lines :—

Vocabulary designation.
Cartridges, small-arm, ball
·303-in., Mk. VII.

Amplification.
Charger packed in bandoliers.

When ammunition is expended, bandoliers and chargers will be brought on charge (chargers by weight) by certificate receipt voucher with the fired cases ; the weight to be brought to account in respect of each 1,000 chargers will be 27 lb.

Vocabulary rates will be employed in calculating :—

- (a) Charges for deficiencies.
- (b) The sum to be refunded to units for chargers and bandoliers returned from issues of ammunition on payment. No refund will be made for chargers returned in an unserviceable condition or for bandoliers unfairly damaged.

Cartons used for packing small arm ammunition will be disposed of locally.

86. 100 "Bandoliers, cotton, 50 rounds" may be permanently retained by each unit of regular cavalry and infantry for the purpose of practising the supply of small arm ammunition in the field.

87. After filled grenades have been thrown, safety pins and rings, levers and base plugs will be collected as far as possible and returned to the R.A.O.C.

D.—ANNUAL INSPECTIONS

88. The O.C.R.A., the C.R.E. and the D.A.D.O.S. will at least once a year, or whenever necessary, make a joint inspection of works, magazines, storehouses, workshops, etc., of all their departments, in order that each officer may have an opportunity of calling special attention to his requirements on the spot. When circumstances make it appear advisable, the officer or officers in local command or charge may be delegated to carry out this inspection. Advantage should be taken of this inspection to consider and discuss on the spot the requirements of the defence and the manner in which they should be met.

E.—BOARDS OF SURVEY AND COURTS OF INQUIRY

89. Condemnations of stores must be supported by proceedings of garrison boards where boards are requisite.

90. When equipment of any kind is lost, destroyed or damaged, and it is a matter for consideration (owing to responsibility not being clear, or the charge being demurred to by the person held responsible, or for other reasons) on whom the expense of replacing or repairing it should fall, the course laid down in King's Regulations will be followed.

91. All reports to the G.O.C. of loss, destruction, etc., of ordnance stores will be sent to the D.A.D.O.S., and will be accompanied by A.F. G 998 in duplicate, completed in strict accordance with the instructions contained thereon.

92. All questions of loss or damage will be dealt with in the command in which the unit concerned is serving at the time the report of the loss or damage is forwarded to the D.A.D.O.S., irrespective of the command in which the loss or damage may have occurred.

93. After a decision has been obtained, the D.A.D.O.S. will forward a copy of the decision to the O.C. the unit con-

cerned to serve as his authority to write off the stores and to indent for new ones to replace. If the matter has to be referred to the War Office, the indents for stores required in replacement will be put forward without waiting for the War Office decision.

The registry number and date of the decision of the G.O.C. or of the letter to the War Office will be quoted on the indents.

94. In cases where a court of inquiry is ordered by the G.O.C., an officer of the R.A.O.C. who is not the D.A.D.O.S. will, if available, be detailed to serve as a member of the court. The proceedings of such courts will be transmitted in duplicate, by the president, direct to the D.A.D.O.S.

95. If the loss or damage has occurred when the R.A. have been employed in moving heavy stores, the officer in charge of the operation should, in giving evidence, produce a statement showing distinctly the materials used, their actual dimensions, the strain calculated to be borne by them, the actual weight lifted, the distance through which the stores were to be lifted, vertically or horizontally, and, in the case of sheers, the angle of inclination.

96. When the stores forming the subject of inquiry are of a special or technical nature, or peculiar to the R.A., R.E., R. Signals, or any particular service, the G.O.C. will, when necessary, call for the written opinion of the local head of the department concerned before finally dealing with the matter. Such opinion will form part of the proceedings forwarded to the War Office in cases where this is necessary in accordance with the instructions laid down in King's Regulations dealing with these subjects.

97. Surveys on the equipments of troops proceeding to or returning from India will be held in accordance with the instructions in **Appendix 3**.

F.—EQUIPMENT ACCOUNTS AND CLAIMS AGAINST CORPS

98. Every officer receiving equipment, or money for the purchase of equipment, will keep and render accurate accounts thereof, and until these accounts have been examined and allowed, he will not cease to be responsible. He will obtain receipts on the proper army forms for all articles leaving his charge.

99. Accountants will record in equipment ledgers all transactions connected with ammunition and stores, except as provided for in paras. 101, 103, 119, 120, 261 and in **Appendix 2**. Detailed instructions for keeping these ledgers are given in **Appendix 1**.

100. All articles (including the drawing instruments referred to in para. 374, typewriting machines, duplicators, etc.) authorized for use at headquarters of stations or commands will be accounted for by an officer to be nominated by the G.O.C.

101. Stores issued for education instructional purposes will be dealt with and accounted for as follows :—

- (a) Maps (except copies of training maps of the vicinity of stations issued by command headquarters for training purposes) and drawing instruments will be held on unit equipment ledger charge and will always accompany all units on change of stations at home and abroad except India and Aden.
- (b) Chemical and physical sets, blackboards, tools and implements will never accompany units on change of station and will be held on barrack expense store charge and issued to units on inventory.
- (c) Command and unit libraries and books for instructional purposes will be dealt with as laid down in Educational Training.

102. Equipment and store accounts will not be kept by units while on active service in the field, except as laid down in Field Service Regulations, Vol. I.

103. Materials for repair and other consumable articles (except explosives, ammunition and consumable stores drawn for W.D. vessels and military engineering) drawn upon regulated scale for peace use will not be taken on charge in the equipment ledgers (*see* para. 411); but any quantities remaining unused at the end of the year will be shown as in possession in the indent for the next year's supply. The receipt vouchers for these stores will be numbered as part of the normal series of vouchers and will accompany the equipment ledger when forwarded for audit. Packages (including sacks used for packing purposes) not already charged by voucher, including those from the Stationery Office, will be brought on charge by certificate voucher, by the unit receiving them, in the current account.

104.—(1) Ammunition, unless issued on payment, will be taken on charge in equipment ledgers. Quantities expended will be written off charge by vouchers signed by the C.O. as follows :—

- (a) *Gun ammunition (including blank ammunition fired from guns on fixed mountings).*

R.A. Coast Defence units.—As directed in E.R., Part 2, Section XII (a).

R.A. units, other than Coast Defence.—One voucher on A.F. P 1926, at the conclusion of each training season.

R.T.C.—One voucher on A.F. P 1926, at the conclusion of each training season.

(b) *Blank gun ammunition other than that fired from guns on fixed mountings.*

Vouchers should be prepared as follows:—One voucher dated 31st March and another dated 31st August. When the account is closed for audit on any date other than 31st March or 31st August (*see Appendix 1*, para. 1) a third voucher, up to the date of closing, will be prepared. Each voucher will show the expenditure since the last write-off.

When a unit leaves a command a further voucher, showing the expenditure to date of departure, should be prepared.

(c) *Small arm ammunition other than that referred to in subparagraph (d).*

(i) One voucher at the end of the weapon training year and another when the account is closed. Each voucher will show the expenditure since the last write-off, and the voucher dated at the end of the weapon training year will be supported by A.F. B 187A. A copy of the authority of the Commander of Coast Defences should be annexed in support of the expenditure in respect of machine guns on armament charge.

(ii) The quantities shown on these vouchers must accord with the expenditure recorded in the unit's musketry return and its diaries of ammunition expended—A.B. 99—which must be produced for audit when required.

(d) *.303-inch blank ammunition except that allowed for machine guns.*

Vouchers will be prepared quarterly, the number and date of the order allotting the ammunition being quoted.

105. Articles required to replace stores lost or rendered unserviceable, and chargeable against the troops, will be demanded monthly in accordance with para. 28; the unserviceable articles will be returned to the R.A.O.C., and the deficiencies written off charge on A.F. P 1925 at the end of each month. The value of the lost or unserviceable stores (*see paras. 111 and 112*) will be credited to the public in the company, etc., accounts on A.F. P 1963. The equipment issue voucher for the stores struck off charge will give a direct reference to this credit, and the indent for stores in replacement will quote the equipment issue voucher.

106. Should any deficient article for which a charge has been made be subsequently recovered, a refund of the amount paid may be made if authorized by the G.O.C. The refund will be supported by a reference to the cash credit, and to the voucher and account by which the returned article has been brought on store charge.

107. When stores on equipment ledger charge are condemned by proper authority as unfit for further service, or are lost or damaged through no fault of the troops, the reports of the boards of survey or other authority will be attached to the voucher by which the articles are written off charge. Any stores required to be replaced will be obtained as laid down in para. 93.

108. All stores disposed of locally under para. 57 will be written off charge in the equipment account by certificate voucher on A.F. P 1957. The command paymaster, through whom the matter has been adjusted, will duly certify this voucher, and the D.A.D.O.S. will approve it before the stores are delivered to the purchasers.

109. No articles of equipment will be transferred from one equipment ledger charge to another except as allowed by regulation, or under authority of the G.O.C. obtained through the D.A.D.O.S. Such transfers will be reported to the War Office, and supported in the accounts by vouchers upon which the authority for the transfer should be quoted. When either of the officers concerned desires that an O.O. should be present at the transfer, one will be directed to attend, if available, on application. In cases of transfer of "A" and "B" vehicles between units the attendance of an O.M.E. will always be arranged for. Should any vehicles be found to require workshop attention they will be dealt with before the new unit takes them over. The above does not refer to transfers of equipment from one C.O. to another on a change of command, which are governed by para. 18, nor to the transfer of mobilization equipment from one unit to another, on relief, under para. 229.

110. Os.C. the following detachments will become direct accountants for their equipment :—

- (a) Detachments left behind by units proceeding on active service.
- (b) Detachments serving abroad, and separated from their headquarters for lengthened periods and by considerable distances.
- (c) Detachments of R.E. and R. Signals serving abroad belonging to companies, etc., serving at home, or

vice versa. Detachments of R.E. and R. Signals serving at home, belonging to companies serving at home, will be governed by para. 34.

- (d) Detachments of the R.T.C., R.A.S.C., R.A.M.C., and R.A.O.C. stationed abroad.
- (e) Detachments of the R.A.P.C. at home and abroad.

On the formation of a detachment, a new account will be opened, and the equipment taken on charge by voucher from the unit or units furnishing the men. The G.O.C. will report to the War Office the circumstances rendering the opening of a fresh account necessary.

111. (1) A soldier who, by neglect or culpable mismanagement, loses or damages any article of personal or public equipment will, subject to para. 112, be charged as follows, unless he elects to be tried by court-martial.

- (a) *Repairable damage.*—Actual cost of repair, including both wages and materials or components. At home, materials and components will be charged at the vocabulary rates; abroad, at the combined vocabulary rates and an extra percentage to cover cost of freight, which will be communicated from time to time direct to the commands concerned. This extra percentage will not be charged on labour employed in repairs or on other labour. If the cost of repair exceeds the amount which would have been chargeable had the article been damaged beyond repair the G.O.C. may, at his discretion, authorize the less amount to be charged against the soldier.
- (b) *Loss or damage beyond repair.*—At home, 75 per cent. of the vocabulary rate for the article; abroad, 75 per cent. of the combined vocabulary rate and the extra percentage to cover cost of freight, which will be communicated from time to time direct to the commands concerned, unless, in either case, it is established by evidence that the actual value * is greater or less. In that event, the nature of the evidence will be indicated on the voucher, and the actual value will be charged.

- (2) As regards small arms, machine guns, mountings and

* "Actual value" means the value to the Department, and not the disposal value. It will be determined by assessing the article at some definite proportion of its vocabulary price with the addition abroad of the same proportion of the full extra charge for freight.

bicycles, charges for deficiencies or damage will be assessed as follows :—

(a) *Rifles, Nos. 1 and 2 ; Pistols, revolver, No. 1 ; Swords ; Scabbards, sword ; Bayonets, No. 1 ; and Scabbards, bayonet, No. 1.*

Deficiencies	75%	Vocab. rate	} Subject to (1) (b) above
Damage to components or accessories—			
Not repairable (unserviceable)	75%	„	
Repairable, but beyond local repair	10%	„	
Repairable under local arrangements (including removal of rust and cleaning by examiner before sentence can be given) ...	4%	„	
Not repairable, but not rendering the component unserviceable (barrel slightly cordworn)	4%	„	

In the event of a complete arm being sentenced “unserviceable” or to be exchanged owing to damage not due to fair wear, any claim which may be preferred will be based on the sum of the value of the components damaged, only if the total value of those components is less than the vocabulary rate for the complete arm.

In cases of injury to barrels, the percentage of the price of the barrel or cost of repair only will be charged, provided the body is in a serviceable condition.

(b) *Machine guns, mountings, and bicycles.*

Deficiencies ... 75% Vocab. rate (subject to (1) (b) above)

Charges will not normally be preferred for minor damage. In special cases, however, in which the extent of the damage, the circumstances or the general condition of machine guns, mountings or bicycles appears to warrant it, claims may be preferred at the discretion of the officer responsible for the inspection. When necessary the matter will be dealt with as provided for in para. 90. Any claim which may be preferred, or the cost of the damage,

- will be assessed in accordance with the scale for rifles and pistols at (2) (a) above.
- (c) Claims will not be preferred when the circumstances are such as to indicate that the damage is likely to have occurred in the ordinary course of training.
 - (d) No charge for damages will be made for D.P. or E.Y. arms, except for such as are manifestly wilful.
 - (e) No charges will be made against the troops for browning their small arms when the service is rendered necessary by fair wear.
 - (f) In cases of doubt regarding the assessment of charges or where exceptional circumstances seem to warrant a special charge, the matter will be referred to C.I.S.A.

112. Provided that the amount charged against the soldier is in accordance with the rules of assessment laid down in para. **111**, C.Os. may dispose of all losses, etc., except that—

- (a) If the amount proposed to be recovered from any soldier exceeds £4, the approval of the G.O.C. must be obtained.
- (b) If it is proposed to allow any portion of the loss, etc., to fall on the public, the matter must be dealt with under King's Regulations.

113. The authority of the D.A.D.O.S. will be sufficient for any charge in the company, etc., accounts on account of equipment. Recoveries from officers will be adjusted in the accounts of the command paymaster.

114. When articles are ascertained to have been lost by desertion they will be struck off charge by a certified copy of the proceedings of the court of inquiry (A.F. B 115), held under Section 72 of the Army Act.

115. If, on rejoining, a deserter is in possession of any of the articles found deficient on his desertion, these articles will be taken on charge in the equipment ledger.

116. A deserter rejoining will, by sentence of a court martial, or award of competent military authority, be liable to be placed under stoppages in order to make good the cost of replacing or repairing any articles found deficient or damaged on his desertion.

117. At the end of each month a return will be prepared, on A.F. P 1963, showing the names of, and the amounts recoverable from, any soldiers liable to make good the cost of replacing or repairing articles of equipment under paras. **111** to **116**. The stoppage returns will be made out by squadrons, batteries or companies. In the cavalry and infantry the amount due

from each squadron or company will appear in regimental orders for the month in which the stoppages are recoverable from the soldier, and will be credited in the company, etc., account for the month, the returns being annexed as vouchers.

118. The order sanctioning the shooting of a glandered horse will be quoted as the authority for striking off charge portions of harness or saddlery destroyed in order to prevent infection.

119. The undermentioned articles will not be brought on charge in equipment ledgers of units :—

- (a) Camp equipment, which will be accounted for to the R.A.O.C. as laid down in para. 261.
- (b) Boats, barges, launches and their appurtenances, which will be accounted for in the local transport equipment ledger (A.B. 165).
- (c) Barrack stores, held on inventory from O. i/c barracks, or issued by the R.A.O.C. for use in camps. The latter will be accounted for as at (a).
- (d) Stationery, army forms, army books, and books issued in accordance with Educational Training.
- (e) Cartons used for packing small arm ammunition.

120. Official books, printed records, M.T. publications, and maps obtained from the R.A.O.C. will not be brought on charge in the artillery store accounts or equipment ledgers, but accurate lists thereof will be kept.

121. Accountants will furnish with their periodical accounts a certificate to the effect that the list or catalogue alluded to in para. 120 has been verified and corrected to date, that deficiencies through loss or otherwise have been reported to the War Office, and that the authority for striking such deficiencies off the list has been noted thereon.

122. On changes of heads of departments, staff officers, or C.Os., the officer assuming charge will verify the lists and report any deficiencies.

CHAPTER III.—SMALL ARMS, ACCOUTREMENTS, AND ARM CHESTS

A.—GENERAL SUPPLY OF SMALL ARMS AND ACCOUTREMENTS

123. The small arms and accoutrements supplied by the War Department to the regular forces consist of the articles given in the details for the respective services in E.R., Part 2.

124. Certain small arms are classified as follows :—

- (a) *Extra service arms*
bear the distinctive letters (and consecutive numbers) of the issuing depot (see **Appendix 47**).
- (b) *Rifles*
For rifle grenade training
are distinguished by the letters E.Y. stamped on butt, fore-end, body, barrel and bolt.
Drill purposes
are for drill purposes only, and are distinguished by the letters D.P. stamped on the parts as for rifles for grenade training.
Skeleton actions
are for instructional purposes, and are distinguished by the exposure of the principal working parts.
- (c) *Bayonets—Drill purposes*
are for drill purposes only, have the points removed, and are distinguished by the letters D.P. stamped on the pommel.

125. Ration bags and covers, breech, rifle, will be held with mobilization equipments of units allotted to the expeditionary force on the following scale :—

Bags, ration ... 1 each officer, warrant officer, N.C.O. and man.

Covers, breech, rifle ... 1 for each rifle.

126. Units will always have, during peace, small arms and accoutrements for their full peace establishment.

127. Small arms, accoutrements and steel helmets being regimentally marked may not be transferred from one unit to another except in time of war, and as provided in paras. **144, 148, 149, 327** and **329**, and in the case of warrant officers

equipped with Sam Browne accoutrements, which will in all changes of station be taken with the warrant officer.

Accoutrements taken by warrant officers, N.C.Os. and men proceeding on furlough or for courses of instruction should be retained on equipment ledger charge by the units to which the men belong, and included in the statement referred to in the third line of the C.Os. certificate at the end of the equipment ledger when closing that account.

Steel helmets will be taken by officers on all moves (except Ceylon and India). The necessary vouchers will be passed in the case of transfer between accounting units. Steel helmets in the possession of officers who are posted to the War Office or to non-accounting units for duty, will be written off charge by certificate issue voucher. When officers are re-posted to accounting units, their helmets will be taken on charge by certificate receipt voucher.

128. Extra service small arms, water bottles, and other accoutrements will be supplied in excess of regulated establishments to units temporarily augmented. Small arms so issued, being specially marked, will not be taken abroad if supplied at home, and if supplied at stations abroad they will be returned into store before the unit leaves the station, unless it is necessary to send them away with armed drafts, in which case a return of the number of small arms sent away and of their marking will be rendered by the C.O. to the R.A.O.C. These small arms will be shown in returns and accounts as "extra service" small arms, and will be given into store when the strength is reduced to the proper establishment, unless they are likely to be required again within a reasonable period.

129. Officers, warrant officers, N.C.Os. and men for whom rifles are not issuable as personal equipment will, when required to perform musketry courses, be supplied, temporarily, with small arms taken from those issued for the rank and file. This procedure will also be followed in the case of infantry battalions, if the arms allowed for this purpose under E.R., Part 2, are not sufficient.

The same course will be followed when small arms are required by such ranks for use at voluntary practice or at authorized rifle meetings.

G.Os.C. will be responsible for securing that suitable regimental or local arrangements are made to govern these temporary loans, and that divided responsibility for any damage that may occur to the small arms is prevented.

130. D.P. small arms should only be demanded for the training of recruits, and in the case of infantry battalions

should not be permanently retained, unless there is a reasonable prospect of their being required for frequent use.

They must not be used for ball firing.

131. Service swords will be used for all exercises except mounted combat.

132. "Swords, practice, gymnasia" will be used for mounted combat by all units.

133. Instructions for sharpening swords and bayonets are laid down in **Appendix 12**.

Swords will only be sharpened on mobilization.

Bayonets will be maintained during peace in a sharpened condition.

134. *Units returning from abroad.*—All the small arms (except rifles, as directed in para. **135**), machine guns and mountings, in possession of troops returning from service abroad will be examined as soon after arrival as possible by the C.I.S.A.

135. All No. 1, Mk. III and III* rifles, except D.P. rifles, on charge of units returned from foreign service, will be exchanged as soon as possible after arrival at the home station, or in the case of units returning home direct from India, after the proceedings of the valuation board have been completed. Rifles of British manufacture only will be issued in exchange. Rifles so withdrawn will be despatched to C.I.S.A., Enfield Lock.

Rifles of Indian manufacture in possession of units arriving at colonial stations from India will be retained by the unit unless surplus to establishment, when they will be returned to R.A.O.C. The rifles so returned will be re-issued by R.A.O.C. to units proceeding to India in exchange for rifles of British manufacture.

When additional rifles are required by units under orders to proceed on a tour of foreign service, to complete them to colonial or Indian establishments, issue will be made from the stocks of Indian manufactured rifles segregated at the R.A.O.C. Depot, Weedon.

Indian manufactured rifles can be identified by the mark

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on the right side of the butt socket of the body.

136. All reports relating to rifles will quote the number of the rifle, which will be found stamped on the body.

137. Instructions regarding the preservation, inspection, and repair of small arms are contained in Chapter XVII.

B.—SMALL ARMS, ACCOUTREMENTS, AMMUNITION AND STORES FOR TROOPS AND ANIMALS ON BOARD SHIP

138. When the stores detailed in **Appendix 31** are to be placed on board hired transports or freightships, as directed in King's Regulations, the G.O.C. will cause full details to be furnished immediately to the D.A.D.O.S. nearest to the port at which the vessel commences its voyage.

139. The D.A.D.O.S. will—without indents from C.Os.—cause small arms, accoutrements, ammunition and other stores, in accordance with the scales prescribed in **Appendix 31**, to be placed on board for the whole of the troops and animals to be embarked, regardless of whether they all join the vessel at the port from which it commences its voyage, or are subsequently embarked at other ports, and irrespective of the stations at which they may be located when detailed for embarkation. The date upon which the vessel will be ready for the reception of the stores will be notified from the War Office to the G.O.C.

140. Before the vessel leaves the initial port of embarkation, O.C. troops will satisfy himself that the authorized proportions of equipment and clothing, as laid down in **Appendix 31**, have been placed on board, and that the ammunition has been properly secured in the magazine.

141. He will be responsible for the care and custody of this equipment and clothing during the voyage, and will see that they are duly accounted for in accordance with the following instructions :—

- (a) When an acting quarter-master-serjeant is appointed to the ship, the equipment and clothing will, under the superintendence of the O.C. troops on board, be entered by him in A.B. 165 in the form of an equipment ledger (*see Appendix 1*). He will compile the account and report to the O.C. troops any deficiencies as they occur, to enable the necessary action to be taken in accordance with sub-para. (c).

The O.C. troops will, at the end of his period of command, see that the account is properly balanced for the period, and will render a certificate to this effect for submission with the account. He will be responsible for seeing that completed vouchers and any correspondence relating to deficiencies, etc., are put up in support of the account, and that all documents and certificates are passed to the

acting quarter-master-serjeant to be handed over to the next O.C. troops.

On the discharge of the vessel from Army Service, the ledger will be balanced and forwarded to the local auditor of the command in which the port at which the vessel is discharged is situated. The articles remaining on charge will be handed over to the nearest ordnance depot by the store accountant on board ship, issue vouchers being passed. Books will not be accounted for in the ledger. They will be vouched "within the line" when issued from and returned to R.A.O.C. store.

A similar procedure will be followed in the case of a freightship; the necessary action for balancing the ledger and for the disposal of the stores being taken at the final destination to which freight has been engaged.

- (b) When an acting quarter-master-serjeant is not appointed, the D.A.D.O.S. at the issuing station will forward a list of the articles issued, to the O.O. at the terminal port of disembarkation, when this can be ascertained. The O.C. troops on board will, in all cases, give a receipt for the articles to the issuing officer, and will account for the articles to the O.O. nearest to the port at which the vessel completes its voyage.
- (c) In either case, (a) or (b), the O.C. will, when ammunition or any other equipment has been expended during the voyage, give a certificate to the effect that such expenditure has been necessary, detailing the circumstances. Deficiencies (including deficiencies of books) will be dealt with as laid down in King's Regulations. The O.C. may, after due inquiry, authorize the write-off of equipment or clothing up to the limit of £5 in value. In the case of deficiencies of pith hats or khaki drill suits obtained from the India Store Department, no liability for losses or deficiencies, etc., will be admitted against Imperial funds. Certificates relating to expended articles and correspondence respecting deficiencies will be attached to the voucher bringing the remainder of the equipment and clothing on charge in the R.A.O.C. accounts. If any articles are disposed of en route at intermediate ports, the O.C. will obtain temporary receipts and attach them to the original vouchers.

- (d) The destination of the troops will, where possible, be given by the issuing accountant on the voucher striking the articles off charge.
- (e) In the case of troops proceeding to and from India, sums recovered from the troops embarked or disembarked at Indian ports in respect of losses or damages during the voyage will be credited as follows :—

(i) At the end of an outward voyage	{ To the Controller of Military Accounts, Southern Command, Poona, in the case of Bombay; Western Command, Quetta, in the case of Karachi.
(ii) At the end of a homeward voyage	{ To the Command Paymaster, Southern Command, Salisbury.

All vouchers and claims in connection with (ii) will be endorsed in red ink "Indian Troop Service Accounts."

- (f) Issues of clothing from stocks placed on board ship for issue on payment in replacement of losses or deficiencies, will be made by the O.C. troops on board, who will prepare A.F. H 1110 for all such issues. Complete instructions with regard to accounting are given on the A.F. H 1110.

C.—SUPPLY FOR ARTILLERY CLERKS, ESTABLISHMENT FOR ENGINEER SERVICES, MILITARY POLICE, ETC.

142. Small arms, accoutrements, etc., will be demanded and accounted for in the case of—

Armourers and Armament Artificers, R.A.O.C.—by the O.C. the unit to which they are attached.

Artillery Clerks—by the O.C. the brigade or battery to which they are attached.

Warrant Officers and N.C.Os. on the Establishment for Engineer Services, and Serjeant-Instructors of Physical Training—by the staff (or other) officer under whom they are serving.

Military Police, Aldershot—by the Commandant, Corps of Military Police, Aldershot.

Military Police at other stations—by an accounting officer at the station, to be nominated by the G.O.C.

R.A.P.C.—by the paymaster under whom the men are

serving, or, in the case of personnel attached to units for costing duties, by the O.C. the unit to which they are attached.

143. The small arms and accoutrements of the warrant-officers, N.C.Os. and men referred to in the preceding paragraph will be regarded as part of the equipment of the unit to which they are attached, and will be marked with the unit's corps marks and consecutive numbers. These small arms and accoutrements will remain on equipment ledger charge of the unit and will not accompany the warrant officers, N.C.Os. and men on transfer, except in the case of Sam Browne accoutrements, which will in all changes of station be taken with the warrant officer, and as provided in paras. **148, 149, 327 and 329.**

144. Small arms, accoutrements, etc., for the A.E.C. will be demanded and accounted for by the unit to which the personnel are attached and will be marked with the corps mark and consecutive numbers, the allotment of which will be made by the O.C. Depot, A.E.C., and notified to units. Arms and accoutrements will accompany warrant officers and N.C.Os. on all changes of station, except India. Drafts proceeding to India will be dealt with as laid down in para. **148.**

D.—R.A.S.C., R.A.M.C., R.A.O.C. (EXCEPT ARMOURERS AND ARMAMENT ARTIFICERS ATTACHED TO OTHER CORPS), R.A.V.C., AND A.D. CORPS.

145. The small arms and accoutrements of warrant officers, N.C.Os. and men of these units will be marked with company, section or station marks, and consecutive numbers from 1 upwards in a series for each company, etc. For details of markings, see **Appendices 47 and 49.** Arms and accoutrements will not accompany transfers from one company, section or station, to another, except in the case of Sam Browne accoutrements, which will accompany warrant officers on all changes of station, and as provided in paras. **148, 149, 327 and 329.** No accoutrements will be taken by personnel of A.D. Corps on attachment to units of the R.A.F. for duty at home stations.

E.—UNITS PROCEEDING TO OR RETURNING FROM INDIA AND OTHER STATIONS ABROAD

I. INDIA

146. Units proceeding to or returning from India will be dealt with as laid down in **Appendix 3.**

II. OTHER STATIONS ABROAD

147. Units proceeding to or returning from other stations abroad will take their full establishment of small arms, accoutrements and steel helmets, even if under establishment in personnel, except that steel helmets will not be taken by units proceeding to or returning from Ceylon, and that haversacks, water-bottles, and mess-tins, with their component parts, as defined below, will only be taken for the actual strength of the unit—

- (a) If equipped with web equipment, pattern 1908 :—
 - Haversacks (with brace with buckle).
 - Water-bottles (with carrier and brace with buckle).
 - Mess-tins (with cover).
- (b) In all other cases—
 - Haversacks (with brace with buckle where necessary).
 - Water-bottles (with carrier and shoulder strap).
 - Mess-tins (with cover or strap).

Complete respirators will be taken for the actual strength of the unit plus 5 per cent. spare calculated on the full peace establishment.

F.—DRAFTS PROCEEDING TO OR RETURNING FROM INDIA AND OTHER STATIONS ABROAD

I. INDIA.

148. The small arms and equipment of such drafts will be dealt with as laid down in **Appendix 3**.

II. OTHER STATIONS ABROAD.

149. Warrant officers, N.C.Os. and men proceeding as "drafts" (except as laid down in para. 144) will proceed without personal equipment, except that they will take respirators, haversacks, water-bottles, and mess-tins, as in para 147. Sam Browne accoutrements will be taken by warrant officers where authorized under E.R., Part 2.

150. When men are sent home for discharge, transfer to the Army Reserve, or as invalids, units will prepare separate vouchers (in duplicate) for the equipment of each man.

Men sent to the Royal Victoria Hospital, Netley, or to the Royal Herbert Hospital, Woolwich.

Vouchers will be sent to the O.C. hospital, who will take on charge the equipment of men found unfit for further service. When men are transferred to other hospitals or are found fit

for further service, their equipment will not be taken on charge at Netley or Woolwich ; the O.C. hospital will transmit the vouchers to the hospital or unit concerned.

G.—SUPPLY OF ARTICLES FOR MUSKETRY INSTRUCTION

151. Articles for musketry instruction will be supplied in the proportions shown in the several sections of E.R., Part 2.

They will be accounted for in the equipment ledger and returned into store upon embarkation for active service.

H.—SUPPLY OF ARM CHESTS

152. Regimental arm chests, with hinges, suitable for the packing of rifles, are issued by the R.A.O.C. for use during peace, at the rate of one chest for each R.A. coast defence unit and each R.E. or R. Signals unit ; six chests for each regiment of cavalry, and eight chests for each battalion of infantry. The cost of the repair of the chests will be defrayed in the manner laid down in Allowance Regulations. These packages will be supplied only to the above-mentioned services.

153. Instructions for the packing of rifles are contained in **Appendix 13.**

154. When arm chests and chests and cases for machine guns and mountings have been emptied, the fittings will be carefully replaced in position ; they will not be thrown in loosely. These packages and also cases S.A., whether full or empty, will be stored in dry, airy, storehouses, the bottom tier being raised about 4 inches from the ground or flooring.

CHAPTER IV.—MACHINE GUNS

155. Machine guns will be issued to—

- (a) Stations at home and abroad to form part of the armament available for general or local defence. In cases where these machine guns would be liable to deterioration if left mounted, they should be kept in their chests in store, ready for immediate use.
- (b) Units and schools of instruction as detailed in the various sections of E.R., Part 2.

156. Certain machine guns are classified as follows :—

Drill purposes

are for drill purposes only, and are distinguished by the letters D.P. stamped on the principal parts. This also applies to machine-gun barrels intended for drill purposes only.

Skeleton

are for instructional purposes, and are distinguished by the exposure of the principal working parts.

Barrels for blank firing, Vickers ·303-in. M.G.

distinguished by the letters D.P.B. on the trunnion block.

Barrels for use on mobilization

are distinguished by a white band painted on them.

157. (1) Vickers ·303-in. machine guns forming part of the war equipment of regular units will be provided with barrels, including the one in the gun, as follows :—

- (a) Two new barrels distinguished by a band of white paint round the centre, to be kept in mobilization store and taken into use on mobilization, one in the gun and one as spare.
- (b) Two serviceable barrels for use in peace, for ball firing only.
- (c) One barrel marked “D.P.B.” for use with the blank firing muzzle attachment only.

The barrels shown under (b) and (c) will be returned to store on mobilization.

Vickers ·303-in. machine guns not used in peace will not be provided with barrels under (b) and (c). The two new barrels under (a) will be kept, one in the gun and one as spare.

(2) Lewis and Hotchkiss .303-in. machine guns forming part of the war equipment of regular units will be provided with four barrels, including the one in the gun, viz.—

(a) Two new barrels distinguished by a band of white paint round the centre, to be kept in mobilization store and taken into use on mobilization, one in the gun and one as spare. In the case of infantry battalions the Lewis gun barrels allowed as spare will be on the scale of one for each four ground defence guns and one for the two A.A. guns on charge.

(b) Two serviceable barrels for use in peace, for ball firing only; to be returned to store on mobilization.

Lewis and Hotchkiss .303-in. machine guns not used in peace will not be provided with barrels under (b). The two new barrels under (a) will be kept, one in the gun and one as spare.

158. (1) Vickers .303-in. machine guns held on armament charge will have—

(a) One mobilization barrel.

(b) One service barrel for use in peace, for ball firing only.

(c) One D.P. barrel for use in peace for drill purposes, or for firing blank (single shots) only.

The barrels shown under (b) and (c) will be returned to store on mobilization.

(2) Lewis .303-in. machine guns held on armament charge will have—

(a) One mobilization barrel.

(b) Two serviceable barrels for use in peace, for ball firing only.

(c) One D.P. barrel for use in peace for drill purposes, or for firing blank only.

The barrels shown under (b) and (c) will be returned to store on mobilization.

159. Machine guns in store will be kept in the approved pattern chests or cases provided for the purpose. They will not be stacked out of their chests or cases, as this may lead to damage and distortion.

The packages will be kept in a dry condition, the felt or other absorbent linings being greased, as necessary, with red mineral jelly.

160. When the bolts, locks and cocking handles of Lewis, Vickers and Hotchkiss guns respectively are ordered to be stored apart from the guns, there is no necessity to keep any record, as these components are interchangeable.

161. In packing Mark IV tripod mountings care must be taken to protect the dials and joint pins from damage in transit by wrapping canvas, hessian, old blanket or other suitable materials round them, the legs being not only clamped but securely tied together.

162. When the accuracy of the shooting of a machine gun fails and the barrel appears worn, an accuracy trial will be carried out in accordance with the manual of Machine Gun Training. If the barrel fails the test, the O.C. will at once indent for another barrel and on receipt will forward the doubtful barrel to the D.A.D.O.S. for transmission to the C.I.S.A., Enfield Lock, for final sentence.

163. In units to which D.P. machine guns are allowed, such guns only will be used for instruction in stripping.

In other units, one machine gun in each unit may be stripped to afford the personnel opportunities of becoming thoroughly acquainted with the working and mechanism of the machine gun. The stripping must be carried out in the presence of an officer who has qualified at the Military College of Science, or at the Small Arms School (Netheravon Wing in the case of the Vickers gun, or Hythe Wing in the case of the Hotchkiss and Lewis machine guns).

164. Instructions regarding the preservation, inspection and repair of machine guns and mountings are contained in Chapter XVII.

CHAPTER V.—AMMUNITION

A.—EQUIPMENT SMALL ARM AND MACHINE GUN AMMUNITION

165. Equipment small arm and machine gun ammunition will be supplied in time of peace at the rates laid down in the various sections of E.R., Part 2, and should always be in possession of units, except as provided for in para. 70, on change of station.

166. On mobilization the quantities will be increased by the additional rounds, if any, laid down as the first line reserve for war. The latter quantities will be held with their mobilization equipment.

For units not provided with first line reserve ammunition, S.A.A. will be held with their mobilization equipment.

167. In cases of emergency the ordinary supply of equipment ammunition can be increased to such additional quantity as the G.O.C. may consider necessary.

168. Extra issues of small arm ammunition remaining unexpended will be returned to the R.A.O.C. on the termination of the service that necessitated the supply.

169. All ammunition that is not in actual use will be kept in the regimental magazines in charge of the quarter-master.

In no circumstances will drill cartridges be kept in, or issued from, the same store as that used for ball or blank ammunition.

170. Revolver ammunition will be allowed in accordance with the following scale for officers proceeding on active service :—

	Carried.			
	On the person. Rounds.	In regtl. transport. Rounds.	By R.A.S.C. Ammunition Coy. Rounds.	By R.A.S.C. Maintenance Coy. Rounds.
Officers belonging to units with divisional formations ...	18	18	12	12
Other officers ...	18	18	Nil.	Nil.

B.—SMALL ARM AND MACHINE GUN AMMUNITION FOR PRACTICE AND EXERCISE

171. Units may expend annually, as laid down in the weapon training manual applicable to their arm of the service, the quantities of S.A.A. authorized by A.C.Is. The quantities authorized are intended to cover requirements for testing rifles and revolvers in the manner laid down in Small Arms Training.

172. Expenditure of ammunition in excess of authorized scales is a loss to the public and will be dealt with from the disciplinary aspect in the same way as other losses of public stores. Over-expenditure of small arm ammunition, amounting to not more than 1 per cent. of the total entitlement of the unit in the weapon training year concerned, may be written off locally under King's Regulations where it is established that the over-expenditure was due to excusable circumstances. In all other cases, however, War Office authority will be required if it is proposed that the value of over-expended ammunition shall be borne by the public.

173. Subject to any special orders which may from time to time be issued from the War Office, the small arm ammunition to be expended at practice will be taken from that already in possession of troops and that received from the R.A.O.C. in the following order :—

- (a) The contents of broken boxes, viz., boxes, the tin linings of which have been opened.
- (b) Ammunition repacked at stations other than Woolwich or Bramley.
- (c) Ammunition re-examined and repacked at Woolwich or Bramley, the original date of which is not known. Boxes containing this ammunition bear a label containing the words "EXAMINED [year]" in place of the detailed information as to make and date which usually appears. This ammunition will be used up in the order of the date of re-examination.
- (d) Ammunition labelled for early use or for use by some definite date.
- (e) Ammunition not specified above, the oldest date of manufacture being used first.

The linings of boxes are not to be disturbed until the ammunition is actually required for use.

174. When ammunition is found to be defective, the description, maker and date of manufacture marked on the

box are to be noted. The rounds complained of, with their cartons, wrappers, charger cases or bandoliers, and further samples from the same box, and the arms with which failure occurred, will be examined locally as far as possible. The G.O.C. will, if necessary, arrange for the rounds, with their cartons, wrappers, charger cases or bandoliers, and further samples, with precis of information, to be forwarded direct to the C.I.A., Woolwich, who will pass his report with his remarks to the War Office, should he consider the matter important; otherwise he will report to the station direct. Should it be found necessary to send a box, or boxes, of ammunition, they will be sent to the C.O.O., Woolwich Arsenal, the boxes to be marked clearly "For Special Examination by the C.I.A., Woolwich." The label will quote the paper referring to it. The arms will be kept available for special inspection, if ordered.

175. Scales of blank and other ammunition for training remounts will be notified from time to time by A.C.Is.

176. C.Os. may obtain on payment from the R.A.O.C. such quantities of small arm ammunition as may be required for regimental purposes. Revolver ammunition will only be issued on payment for the use of those ranks who are armed with the revolver on service.

Bandoliers, chargers and cartons issued with small arm ammunition will be charged for at vocabulary rates.

177. Units * joining the Army Rifle Association may obtain annually on payment at half vocabulary rates 5 rounds .303-in. ammunition for each rifle on charge (10 rounds in the case of units stationed abroad whose peace establishment is 100 or less), and 6 rounds .455-in. ammunition for each revolver on the authorized establishment. The allowance may also be drawn for men borne on the establishment of schools of instruction, provided that the "school" joins the Army Rifle Association.

Bandoliers, chargers and cartons issued with small arm ammunition will be charged for at vocabulary rates.

Ammunition drawn under this para. may not be transferred from one unit to another.

178. Indents for practice and exercise ammunition will be sent to the D.A.D.O.S. in sufficient time to admit of the issue being made for the annual weapon training practice. The

* The R.A.O.C. at home will be considered as one unit for the purpose of this paragraph.

quantities to be demanded in each year will be based on the number of men in or attached to a unit who it is anticipated will commence the annual weapon training courses.

179. The indent will be made, although at the time the unit may be under orders to leave the district. (*See* para. **180.**)

180. Before leaving the station the C.O. will be furnished with a balance certificate, on A.F. G 802, showing the amount of ammunition due to the unit on indent, and that handed over to the incoming unit or returned to store under para. **70.**

181. Any of the annual supply of ammunition which has not been drawn by the end of the weapon training year for which it is allowed, will be forfeited, and any which has been drawn but not expended will be credited to the ammunition account in diminution of the annual allotment authorized for the following year. The weapon training year at home stations will commence on 1st November; at stations abroad the instructions contained in Small Arms Training, Vol. I, 1931, Chap. I, Sec. 7, will be followed. Permanent dates to meet climatic conditions must, however, be fixed for each command and notified to the War Office.

A unit proceeding on foreign service before the end of its weapon training year may claim a proportion of the unexpended balance of its annual small arms ammunition allotment at its new station.

This proportion will be based on the number of those men who have accompanied the unit to its new station and have not completed on date of departure their annual weapon training course for the current weapon training year at home. Ammunition so claimed will be forfeited unless expended before the close of the weapon training year in force at the new station.

C.—GUN AMMUNITION FOR PRACTICE AND EXERCISE

182. The annual allowance of gun ammunition for practice and exercise, with instructions relating thereto, will be promulgated annually by A.C.Is.

D.—DISPOSAL OF FIRED Q.F. CASES AND UNEXPLODED PROJECTILES

183. Fired Q.F. and 1-in. aiming cartridges will always be cleaned immediately after firing. If the cartridges have

been fired with cordite or ballistite they should be soaked for 15 hours in clean fresh water containing $\frac{1}{2}$ oz. of soda crystals to the gallon, and afterwards well scrubbed until clean ; they should then be rinsed in clean water and wiped perfectly dry. A longer soaking or the use of warm water will facilitate the cleaning and may be necessary in very cold weather. Soda may be used with cartridges which have been fired with powder, but its use is not essential in this case. After cleaning, cartridges will be mopped inside and outside with mineral jelly.

184. After being dealt with as in para. **183** the cartridges will be repacked in the boxes in which they were supplied and returned to the R.A.O.C. as soon as possible, the clips being replaced on the cartridges which have them. Fired cartridges are not on any account to be repacked in boxes containing unfired cartridges.

185. Immediately on the close of practice each day, search will be made on the ranges for unexploded projectiles.

186. In order to ensure the discovery and destruction *in situ* of unexploded projectiles lying on land and sea ranges, Lydd and Shoeburyness excepted (*see* para. **189**), a reward will be paid to any soldier of the regular forces, or Supplementary Reserve, or member of the Territorial Army up for training or exercise, or Coast Guard man, or any Government agent appointed by the Secretary of State, who reports at the nearest military station the position of any unbroken projectile, fused or plugged, on or near any practice range. Payment will not be made if the projectile has been disturbed by the finder.

Receipts for all sums paid for the recovery of projectiles, etc., will be obtained on A.F. G 892, which will vouch the charges in the accounts of the command paymaster.

187. The amount to be paid will depend on the circumstances of each case, time and labour involved, etc., and will be decided by the O.C. at the camp or station, but in no case will it exceed the following amount for each projectile :—

Under 6-in., 5s. ; 6-in. and higher nature, 10s.

188. Notices will be posted up in the vicinity of all ranges, cautioning the public as to the extreme danger of handling projectiles found on the ranges, and informing them that no rewards or payment of any description for finding, or for collecting projectiles, will be made to a civilian.

189. The foregoing three paras. will not apply to Lydd and Shoeburyness, where special arrangements are authorized.

190. All fuzed projectiles will be destroyed where found, without handling or moving, by an I.O.O.

191. In regard to the recovery of projectiles, etc., on sea ranges, fired over by the naval and military authorities in common, the following rules will be observed :—

- (a) The Admiralty will receive all recovered projectiles and produce, plugs and gas-checks, and will pay all charges on account of salvage.
- (b) All projectiles, etc., which can be identified as land service will afterwards be transferred to the War Office free of charge by the Admiralty.
- (c) The transfer of recovered projectiles, etc., to the War Office will be made quarterly, and will be effected by writing them off charge as a free issue in the Naval Ordnance store ledgers and bringing them on charge in the Army Ordnance accounts.

E.—BLANK GUN AMMUNITION FOR REVIEWS, FIELD DAYS, SALUTES AND MANŒUVRES

192. Blank gun ammunition will be issued annually to commands, etc., as authorized in A.C.Is. for use by Horse, Field, Light and Medium Artillery and Tank Corps at exercise, reviews, field days, command manœuvres and for salutes.

The allocation of the ammunition to units and for specific purposes will be made by the G.O.C.

193. Ammunition will not be expended as a charge against the training grant, nor, unless special instructions to that effect are received from the War Office, will expenditure of ammunition in excess of authorized allowances, to be met by a corresponding saving under the training grant, be incurred.

F.—Q.F. BLANK CARTRIDGES FOR Q.F. 18-PR., 13-PR., 6 AND 3-PR. GUNS, AND 4.5-IN. AND 3.7-IN. HOWITZERS

194. These cartridges will be made up by batteries as required. Instructions for making up and breaking down should be obtained from the C.I.A., Woolwich, through the D.A.D.O.S.

195. The following tools are authorized for making up blank cartridges :—

Description.	Each 4-gun battery.			Six-gun battery Q.F. 13-pr.	Each Tank Battn. for Q.F. 3-pr. 2-cwt.
	4·5-in. howr.	Q.F. 18-pr.	Q.F. 3·7-in. howr.		
<i>Section R.2.</i>					
Tools, cartridge, Q.F.					
Blank—					
Drifts, 4·5-in. howr. ...	2	—	—	—	—
„ 3·7-in. howr. ...	—	—	2	—	—
„ 18-pr. powder cartridges	—	2	—	—	—
„ 13-pr. powder cartridges	—	—	—	3	—
„ 3-pr. 2-cwt. ...	—	—	—	—	3
Rings, inserting, cup— 13 pr. ...	—	—	—	3	—
Rings, inserting, lid— 4·5-in. howr. ...	2	—	—	—	—
3·7-in. howr. ...	—	—	2	—	—
Rods, 12·7-in. (a) ...	—	—	—	—	3
Screwdrivers, primer (b)	—	—	—	—	3

(a) For driving primer from case, 6 and 3-pr.

(b) For inserting and removing primer, 6 and 3-pr.

196. The cases, after firing, should be cleaned as directed in para. 183.

197. After firing, care should be taken that the mouths of the cases are not damaged or distorted as this will cause difficulty in refilling. Any cases which will not gauge in a gun, or from which the primers cannot be extracted, or which will not take new primers, are to be considered to be unsuitable for refilling, and will then be treated as laid down in para. 200. Cases which are suitable for refilling as blank will be retained for this purpose. Certain service cases which are only slightly split at the indents, will, on passing through the factory for repair, be sentenced for “blank,” and will be so marked by stamping on the base.

These cases can be refilled for blank firing until the cracks extend to the mouth, or are so seriously developed as to interfere with the loading of the cartridge.

G.—CASES FOR BLANK, CLEANING OF

198. These should be cleaned after firing and wiped perfectly dry. They should not be greased unless they are returned to store.

199. If the cases are required for further firing after a few hours, washing in the interval may be dispensed with, but they are not to be left unwashed more than 24 hours.

200. They should be retained and refilled by the unit to which they are issued unless they require repair or are unserviceable, when they should be returned to store.

H.—AMMUNITION YEAR FOR BLANK GUN AMMUNITION

201. The ammunition year for the purpose of governing the issue and expenditure of blank ammunition will run from the 1st April to the 31st March.

I.—AMMUNITION AND EXPLOSIVES—CONDI- TIONS RELATING TO RETURN TO ORDNANCE DEPOTS, AND INSTRUCTIONS REGARDING CONVEYANCE

202. No ammunition or explosives of any kind will be forwarded to an ordnance depot until the consignor has ascertained from the consignee (on A.F. G 929) that he is ready to receive it.

In all cases the consignor will at the same time apply to the D.A.D.O.S. of the area for instructions as to the precautions to be taken for the protection, segregation by groups, etc., of the ammunition and explosives while in transit, and will ensure that the instructions received are carefully observed.

203. Ammunition and explosives packed in original unopened packages, and unboxed shell, provided that they are plugged, have suffered no damage and are fitted with grummets or slings, may be returned as soon as instructions for their return are received.

Ammunition and explosives, other than S.A.A. and those referred to above, will not be returned until they have been inspected by an I.O.O., rendered safe and, where necessary, packed under his supervision. Application for the inspection of such ammunition and explosives will be made to the D.A.D.O.S. of the area. The vouchers on which the ammunition or explosives are returned will be endorsed to show that these instructions have been complied with.

204. Whenever ammunition is conveyed in military vehicles, the loading will (if possible) be performed by the troops, who will be held responsible for its correctness.

205. When explosives are issued from an ordnance depot and coverings are considered necessary, they will be supplied by the R.A.O.C. They will be returned to store immediately on completion of the service.

206. When ammunition is forwarded by railway or water carriage, and an escort does not accompany it, the consignee will make arrangements for the attendance of an escort, if required, to meet the ammunition on arrival and conduct it to its destination.

207. Officers in command of escorts will prohibit smoking near the wagons, and will see that none of the party has matches or pipe-lighters in his possession.

CHAPTER VI—MOBILIZATION EQUIPMENT

208. Mobilization equipments will be stored in accordance with the latest print of the appropriate war equipment table published by Army Orders (*see* para. 27).

War equipment tables will be amended as directed by corrigenda, or in accordance with Army Orders, List of Changes in War Matériel or other War Office authority.

209. Lists showing how war equipment is to be distributed within the unit on mobilization will be prepared for all units other than those which are normally stationary.

Where units exist in peace, the lists will be prepared by the respective C.Os.

The C.Os. of horse, field and light brigades, R.A., and of other units existing in peace which form additional batteries, after mobilization, will also arrange for lists to be prepared for the additional units they are to form.

For other units which do not exist in peace, *e.g.* field ambulances and for headquarters of cavalry and infantry divisions and brigades, the lists will be prepared by the A.D.O.S. of the command in which units mobilize.

210. When mobilization equipment is in regimental charge, the C.O. will be responsible to the G.O.C. that it is correct in every respect and fit for service ; that the instructions given in these regulations as to custody and arrangement of mobilization stores are carried out with regard to it ; and that, subject to the exceptions referred to in paras. 212–215, no portion of it is taken into use without special War Office authority obtained through the G.O.C.

Typical diagrams showing how mobilization vehicles (H.T.) should be stored are given in **Appendix 29**.

211. A permanent record, showing the dates and other necessary particulars, of all inspections of mobilization equipment will be kept on A.F. G 1090, which should be affixed to an inventory board to be hung up in each storehouse.

212. The G.O.C. may sanction the temporary use by units of vehicles belonging to their mobilization equipments in the following circumstances :—

- (a) When required to replace similar peace equipment vehicles which cannot be used until repaired.

- (b) All vehicles except water carts and travelling kitchens, when required for use on field days, at manœuvres or at camps of instruction.
- (c) Water carts when required for use on field days.
- (d) Travelling kitchens when required for use on field days or at manœuvres, but they will not be used in standing camps or when other means of cooking can be utilized.

In the case of field and light batteries, R.A., the use of travelling kitchens on field days will be restricted to occasions when batteries are co-operating with other arms during brigade and higher training.

These vehicles may only be used by the particular units for which they have been provided. Care will be taken that they are returned to store in a thoroughly serviceable condition when no longer required for use. (See para. 3.)

This authority does not apply to mobilization harness. Arrangements will be made locally for any additional harness required temporarily for vehicles taken on manœuvres, etc.

213. Special articles of the technical equipment of R.E. and R. Signals units, the fitness of which for service can only be verified and maintained by occasional use, may be used at the discretion of the O.C. the unit, to ensure that they are kept in a thoroughly serviceable condition and ready for immediate work, but their use is to be restricted to the purposes of the foregoing requirements and they are to be kept quite separate from the peace equipment; a book is to be kept by the O.C. the unit, in which is to be recorded a list of the stores tested and used, the character of the tests, the period for which the stores have been used and the condition after testing or use.

214. Bridging equipment with vehicles and electric lighting sets held as mobilization equipment for Field Park Companies, R.E., may be issued for training to the Field Companies, R.E. and Divisional Headquarters, respectively, of the divisions concerned at the discretion of the G.O.C.

215. Once in each year the mobilization equipment in charge of units (except Q.F. ammunition, harness, saddlery and packsaddlery), and where circumstances admit of it, the mobilization equipment held for units by the R.A.O.C. (with similar exceptions), will be drawn by them and be retained for a period not exceeding 14 days. During this period each unit will be practised in packing its vehicles, the whole war outfit being completed as far as practicable. Empty cases or dummies will be used on these occasions to represent any articles which are not available in the district, and old blankets

in rolls of 20 as well as old camp kettles will be issued if possible in lieu of the new articles.

At the end of the course the unit will perform a route march with its transport packed as for service if arrangements can be made for horsing the vehicles, the horses and harness of other units in the command being utilized for this purpose. Harness and saddlery stored as mobilization equipment is not to be used during peace, but the sets may be assembled in the storehouses to test the fitting of the various parts or for instructional purposes. They are not, however, to be stored assembled. At the conclusion of the period named, all the vehicles will be carefully examined before being returned to mobilization store, and any defects noted will be reported to the D.A.D.O.S. of the area.

216. Equipment stored in accordance with war equipment tables will be kept entirely separate from the peace equipment ; on a unit quitting the station, such equipment will, in the absence of an order to the contrary, be handed over to the relieving unit.

217. War equipment tables of the latest editions will be kept with the equipment of units, and O.s.C. units whose mobilization equipment is in charge of the R.A.O.C. will always have copies of these tables in their possession.

218. When mobilization equipment is in charge of the R.A.O.C. at or near the station of the unit, the C.O. will inspect and check the equipment for his unit within one month of arrival at the station, and subsequently once annually, and satisfy himself that it is complete and serviceable. Should any serious omissions or imperfections exist, he will at once report them to the G.O.C.

C.Os. will arrange the date for these inspections with the D.A.D.O.S.

219. C.Os. having mobilization equipment in charge, and those who are able to inspect their mobilization equipment in R.A.O.C. charge (*see* para. **218**), will attach a certificate to A.F. B 89 or B 90, which is rendered half-yearly, stating the date on which they last inspected the equipment.

220. On mobilization being ordered, the war equipment table will be the guide as regards the articles of equipment which a unit takes with it into the field. It is therefore of great importance that not only the equipment stored for issue on mobilization, but also such of the peace equipment as is, according to the war equipment table, required for war, should be at all times complete and serviceable.

Only "dulled" pattern bayonets will be taken on active service.

221. The consumable stores allowed for war (excepting illuminants, for which *see* **Appendix 43**), are regarded as being sufficient for a fortnight's use, and these quantities will normally be maintained by units in the field.

222. On 1st April and 1st October in each year, Os.C. units holding mobilization equipment will render a return in triplicate to the D.A.D.O.S. of the area showing all deficiencies that exist in their equipments and the action taken to complete the equipment.

Similar returns will be rendered regarding outfits held for army reservists.

The form shown in **Appendix 5** will be used for this return. Nil returns will be rendered.

223. A report, on A.F. G 919, of the action taken to carry out alterations to patterns of war equipment, whether in mobilization or peace charge, ordered by List of Changes, Army Orders or other War Office authority, will be rendered monthly by Os.C. units holding such equipment to the D.A.D.O.S. of the area.

Separate sheets of A.F. G 919 will be used for articles in mobilization store charge and for war equipment in use during peace.

224. When a List of Changes affecting the equipment of a unit is published, the C.O. will, if in doubt, ascertain from D.A.D.O.S. as to whether the alteration is to be carried out by the unit or by the R.A.O.C.

In the former case A.F. G 997 will be submitted for the necessary stores, and these will be accounted for in the same manner as materials for repair (*see* para. **411**).

In the latter case A.F. G 1045 will be submitted, and the ordnance depot concerned will be responsible for providing the necessary stores.

225. When stores received from the R.A.O.C. in replacement of unserviceable peace equipment are in better condition or of later manufacture than those held on mobilization charge, the former will be placed in mobilization store and the latter taken into use as peace equipment.

When turnover cannot be effected by this method, the C.O. will bring to the notice of the D.A.D.O.S. of the area any articles which are considered unfit for prolonged mobilization storage. If, after investigation, the D.A.D.O.S. is satisfied that turnover is essential, he will authorize the C.O. to submit a special indent for the stores required.

No articles will be withdrawn from mobilization storage until corresponding articles are available in replacement.

226. With a view to facilitating turnover and as a record of articles stored in mobilization equipments or reservists' outfits which are part worn or have been superseded by later pattern, or for other reasons it is desirable to exchange, officers holding these equipments will keep A.B. 333 completed to date. This book will be examined quarterly by D.A.Ds.O.S. and will be produced at all inspections of mobilization equipments.

227. Gun ammunition for horse, field, light, medium and heavy artillery or for R.T.C. battalions will not be stored with units in peace. It will be held on R.A.O.C. charge.

228. When sanction is given by the War Office for the transfer of mobilization stores from R.A.O.C. charge to the custody of a unit, the O.C. the unit will be responsible that the stores are arranged in accordance with the regulations (*see* para. 210), and will, if necessary, apply to the D.A.D.O.S. for skilled labour for carrying out the service in the first instance.

229. When mobilization equipment is handed over to a relieving unit, the appropriate war equipment table (A.F. G 1098) will be used as a voucher, two copies being prepared. The totals in the war equipment table will be amended to agree with the quantities of each item handed over, alterations being initialled by both accountants concerned.

Packages held with the equipment will be entered at the end of the A.F. G 1098.

In cases where separate ledgers are held for mobilization equipment no vouchers will, however, be prepared on handing over the stores to the relieving unit. Instead, both copies of the ledger will be balanced and handed over. A certificate to the effect that the stores shown as remaining on ledger charge on the date of transfer have actually been handed over will be signed by the O.C. of each unit.

If any discrepancies exist full explanations of each will be afforded by the O.C. outgoing unit.

230. All vehicles and spare wheels stored by units as mobilization equipment will be inspected once every three years by R.A.O.C. artificers under the immediate supervision of the O.M.E. (*See Appendix 50.*)

All harness, saddlery and packsaddlery stored by units as mobilization equipment will be inspected at similar intervals by an inspector or artificer of the inspection branch. (*See Appendix 50.*)

Application for examination at any other time will be made to the D.A.D.O.S.

231. The instructions for the preservation of harness, saddlery and packsaddlery given in **Appendix 23**, and on A.F. G 916, will be followed for the harness, saddlery and packsaddlery stored as mobilization equipment. Special attention should be paid to seeing that the harness, saddlery and packsaddlery are kept properly dubbed and in good condition.

A copy of A.F. G 916, pasted on a board, will be kept in each mobilization storehouse in which harness, saddlery and packsaddlery are stored.

Covers for packsaddlery will be kept in store rolled. They should be unrolled and cleaned at least once in 3 months.

Cleaning materials according to the following scale will be allowed :—

Description.	Annual proportion for each.		
	10 sets of harness (double).	10 sets of saddlery.	10 sets of pack- saddlery.
<i>Section H.1.</i>			
Dubbing lb.	2	1	1
Naphthalene (a) oz.	5	2½	4
Tallow lb.	$\frac{1}{2}$	$\frac{1}{4}$	—
Varnish for bright work ... pints	$\frac{1}{16}$	$\frac{1}{16}$	$\frac{1}{16}$
<i>Old Stores.</i>			
Linen or cotton, old lb.	1	$\frac{1}{2}$	$\frac{1}{2}$

(a) These quantities are only inserted as a guide in preparing indents ; supply may be made as local circumstances require under the authority of the G.O.C.

232. The proportion of sizes, etc., of various articles of harness and saddlery to be stored in mobilization equipments—with instructions relating thereto—are detailed in **Appendix 22**.

233. Spare articles on peace charge, if liable to be expended during peace, are not to be regarded as being available on mobilization.

234. Inventory forms (A.F. G 1096 series containing printed lists of components, accessories, etc., corrected to date) will, during peace, be pasted on inventory boards issued with vehicles allotted to units as war equipment and given a coat of varnish to protect them from damp.

235. Spare axletrees, shafts, wheels, timber and iron, which cannot be conveniently stored in the separate compartments, will be kept in the wagon sheds. Small stores

forming part of the accessories, spare parts and cart and wagon equipment of mobilization vehicles and accounted for separately will, for the sake of cleanliness and convenience in stocktaking, be kept in the mobilization store and not on the vehicles, but with these exceptions components, accessories, spare parts and cart and wagon equipment of vehicles stored on their wheels will be kept on vehicles. When vehicles are dismantled and stacked, the components, etc., will be stored as near to the stacks as possible.

Straps for vehicles will be tied up in sets, each set being labelled with the description of vehicle to which it belongs and kept in the mobilization store.

All leather work of vehicles, including straps, will, where necessary, be treated as laid down in **Appendix 23**.

236. The war allowances of consumable stores will be found, as far as possible, from peace stocks. Any stores not available from this source will be demanded from R.A.O.C. on mobilization being ordered.

These stores will not be drawn upon prior to embarkation. Any required for use during the mobilization period will be drawn from R.A.O.C.

Consumable stores in possession of units in excess of war requirements will be returned to R.A.O.C. prior to embarkation.

237. Horseshoe nails will be stored in the horseshoe boxes with shoes held with mobilization equipments in the proportions laid down in para. **315**. The war scale of frost cogs will be one set for each animal. Scales of taps and wrenches will be as laid down in para. **316 (c)**.

238. Os.C. depots will be held responsible for the care and safe custody of such small arms and accoutrements as may be kept in store at the depots for issue to the army reserve. These stores will not in any circumstances be taken into use without previous authority from the War Office.

239. (1). Accoutrements, including those held for reservists, will be stored as follows :—

- (a) Web equipment. Each set will be stored with all its components placed inside the pack. The rifle sling (where allowed) will also be stored in the pack.
- (b) Water-bottles, mess-tins, breech covers and bandoliers will be stored in bulk in suitable packing-cases.
- (c) In the case of cavalry, R.A., mounted R.E., R. Signals, R.A.S.C. and R.A.O.C., all items other than those referred to in sub-para. (b) will be stored in the haversack.

239. (2). Mess tins will be examined annually for signs of rust. Rusty tins will be returned to the R.A.O.C. for re-tinning. Where the preservative on any tins has deteriorated such tins will be cleaned and re-treated, under unit arrangements, either with mineral jelly or, where a unit has facilities for dipping, with boiled lead-free linseed oil.

240. Small arms, including those held for reservists, will be stored as follows :—

Rifles will be stored in racks. If racking is not available, they will be stored in arm chests.

Rifles fitted with telescopic sights will be kept in their chests.

Oil bottles will be stored empty in bulk.

Pullthroughs and their gauzes will be tied separately in bundles and so stored.

Bayonets without scabbards and scabbards without bayonets will each be stored separately in chests, cases or other suitable packages.

Swords and pistols will be packed in chests, cases or other suitable packages.

241. Arrangements will be made for the examination of all small arms stored, including those held for reservists, to ensure that each individual one is examined and re-oiled on the outside once in every 6 months. The bores and chambers of the barrels will be wiped out, examined and re-greased with oil, M. 80 and red mineral jelly, in equal parts, once in 18 months; but if the appearance of rust be observed in the muzzles at the half-yearly inspection, such barrels will be immediately wiped out and well re-greased, steps being taken to have them at once examined by an armourer.

10 per cent. of all arms (except bayonets, *see* para. 242) will be examined annually by an armourer, and these will be lubricated between fore-end and barrel (*see* para. 443). In the event of the examination disclosing insufficiency of lubrication, arrangements will be made to lubricate the remainder of the arms.

242. Bayonets will be greased with red mineral jelly (for method of applying the grease, *see* **Appendix 51**).

25 per cent. of the bayonets will be examined annually by an armourer and re-greased with red mineral jelly. Care will be taken to ensure that the stock is examined and re-greased in rotation.

243. For materials which must not be used as a direct wrapping, etc., for steel parts of small arms, machine guns and mountings, *see* para. 424.

The annual allowance for materials for the care and preservation of small arms stored for army reservists is shown in **Appendix 11**.

Red mineral jelly should be mixed with oil, M. 80, in equal parts, and applied to the bores and chambers of barrels and to that portion of the rifle holder which comes into contact with the rifle.

Where rifles are stored in racks having plugs, or holders, or where the plugs or holders fail to protect the barrels from the air, the bores of the rifles will at home stations be protected by a clot of red mineral jelly placed in the muzzle of the rifle. At stations abroad the clot will be composed of equal parts of red mineral jelly and beeswax.

Oil, M. 80, only will be used for the working parts of the action and for the exterior of the barrel.

244. Machine guns and their spare parts and mountings on charge of units in unit mobilization store will be examined periodically as detailed in **Appendix 14** and, if necessary, re-greased.

The machine guns will be stored in their chests.

245. If the mobilization barrels of machine guns are issued from store for peace purposes, the white band will be removed locally before issue.

246. Pedal bicycles held with mobilization equipment will be stored without tyres.

Bearings will be kept well packed with red mineral jelly.

Tyres (covers and inner tubes) will be stored as follows:—

(a) Covers will be loosely tied in bundles of 10 or less and kept in a cool and darkened store, according to their respective dates of manufacture.

(b) Tubes will be deflated and placed loosely in a case; the case will be lined with brown paper, the tubes liberally covered with french chalk and the lid of the case secured. The case will be periodically reversed (bottom upwards) to ensure that the bottom layers do not continuously bear the weight of the others.

Tubes will be stored in order of date of manufacture.

Complete turnover and examination will take place annually.

247. Steel helmets held for reservists will be painted and sanded. The method of painting and sanding, and the scale of materials and brushes, are laid down in para. **487**, but these materials, etc., will be drawn only as and when actually necessary.

248. Steel helmets held with mobilization equipments will be packed in sacks or cases, wood packing. The helmets will be completely enclosed in brown paper which must be free from holes or tears, and folded over where the ends join so that moth will not be able to get in. A sprinkling of naphthalene should be placed in each package. When sacks are used for packing purposes, 3-in. by 1-in. strips of wood quartering should be placed between the sacks when stacked.

249. An allowance of composition, brown, at the rate of :—

½ lb. per 100 sets per annum for Royal Horse, Field, Light, Medium and Heavy Artillery ;

3 lb. per 100 sets per annum for other units ;

will be made for the preservation of brown leather accoutrements stored for reservists. An application of the composition once a year will, in ordinary circumstances, be found sufficient. The composition should be applied as directed in para. 480. Soap should not be used for this purpose.

250. Units existing in peace may make their own arrangements for the supply of private cooking apparatus for officers, in which case the number of camp kettles to be taken in the field will be reduced as detailed in the war equipment tables.

The weight of such apparatus must not exceed 6 lb. each officer. It must be provided during peace and maintained in a serviceable condition.

251. Boxes, dubbing, will be stored empty. Dubbing will be kept in bulk in order to facilitate turnover. The boxes will be filled immediately on mobilization being ordered.

252. The edges of all cutting tools will be kept in good condition for use.

253. Ground sheets held as mobilization equipment will invariably be packed in suitable packing-cases.

254. Small quantities of oil and grease may remain with the general equipment of the unit, but large quantities will be stored in a separate oil store or in a corner of the mobilization vehicle shed. The floors will be kept scrupulously clean and are on no account to be strewn with sawdust or sand. A few buckets (fitted with lids which will be manufactured locally) filled with sand instead of water will be kept ready for use.

255. Covers for carts and wagons will be neatly rolled and stowed on the raves of the vehicles to which they belong or in any other convenient way. They will be unrolled and cleaned at least once in 3 months. Those painted must not be rolled until they have been exposed to the air and are

thoroughly dry. In no circumstances will covers for carts and wagons be stored folded.

256. All panniers will have their description painted on them.

Stationery boxes will be marked, in order to identify them, with the branch or arm of the service to which they belong, *e.g.* infantry battalion, R.H.A. Bty., Med. Bty., etc. These marks will be obliterated and replaced by divisional, etc., signs under regimental arrangements as soon as mobilization has been reported to be complete.

With these exceptions, mobilization equipments held in unit charge will not be marked in any way until taken into use on mobilization.

257. Articles made from the hair of animals, *i.e.* woollen or felt goods, bristle brushes, fur, horsehair, etc., should be covered with ordinary brown paper, but it must be devoid of holes and tears, and folded over where the ends join ; moths are quite unable to penetrate such paper, but if there is any opening, however small, they will probably discover it and deposit their eggs on the materials underneath. For this reason, packing needles should not be allowed to penetrate the paper when canvas wrappers are being stitched up.

A sprinkling of naphthalene is also useful, as moths dislike the odour, and it helps to keep them away from the neighbourhood. It is unnecessary, however, to smother articles in naphthalene.

The necessary supplies of naphthalene should be obtained on indent from R.A.O.C.

CHAPTER VII.—CAMP EQUIPMENT

258. The proportions of camp equipment for manœuvres and in standing camps are contained in **Appendix 24**. The scale for standing camps will guide issues to troops placed under canvas for any purpose other than manœuvres. At stations abroad C.D. (in lieu of C.S.) tents may be issued for the use of European troops, provided :—

- (a) The period of encampment is not to be of very short duration.
- (b) The climatic conditions likely to be encountered during the period of encampment are, in the opinion of the D.D.M.S., such as to warrant the issue of C.D. tents.

259. Indents for camp equipment will be prepared by units or individuals to whom issues are authorized by regulations, and transmitted to the D.A.D.O.S. of the area in which the encampment is to take place.

Officers authorized to indent for camp equipment will ensure that the whole of the information required by the forms is fully detailed upon them, that the quantities of equipment included are in accord with the authorized scales for the number of officers and men to be encamped, and that the indents are transmitted in ample time to allow O.Os. to arrange for delivery of the equipment by the date desired.

260. Cooking utensils, including ovens and stoves, are frequently issued by R.A.O.C. with a coating of spirit lacquering, varnish or mineral jelly to preserve the ironwork, and care must be taken to ensure that this preservative is burnt or wiped off before the articles are taken into use.

261. Camp equipment issued to units as permanent equipment for instructional purposes will be brought on charge in equipment ledgers.

Camp equipment for sports and entertainments will be issued on temporary loan under the conditions set forth below, and will not be brought on charge in equipment ledgers.

To whom issuable.	Authority under which issue may be made.	Conditions of issue and charges to be recovered.
Regulars.	The G.O.C. may give written approval for issue, provided the stores are available locally and can be spared, that they are required for strictly garrison or regimental sports or entertainments, and that they are to be retained normally only for the actual day or days of the sports or entertainments. The G.O.C. may, however, authorize the retention of stores for a longer period when considered desirable in order to save cost of carriage to and from an ordnance depot, <i>e.g.</i> when it is known that the stores will be again required for similar purposes after a brief interval.	The cost of deficiencies and of damage not the result of fair wear and tear will be charged for as laid down in para. 111. Expenditure on transport will also be charged for, including the cost of conveyance by army motor lorries. If a charge is made for admission to, or money is taken in any other manner at, the sports or entertainment, hire, to cover the use of the stores, will be charged as follows: half per cent. of the vocabulary rate for each period of six days or less. If no money, as above, is to be taken, the O.C., or an officer on his behalf, will certify the indent to this effect. The hire charge may at the discretion of the G.O.C. be waived if the profits are for the benefit of a naval, military or air force charity. Stores are not to be issued under this para. for the permanent equipment of the sports grounds or pavilions, etc., provided under Regulations for Engineer Services, Part I, 1930, para. 72.

All other issues of camp equipment for authorized manœuvres or encampments, or to supplement barrack accommodation, will be accounted for on A.F. G 973 by the C.O. of the unit, or the individual officer to whom the issue is made.

At the termination of the encampment the accounts, with the whole of their supporting vouchers, will be transmitted to the D.A.D.O.S. of the area in which the issues were made, irrespective of the locality of the ordnance depot to which the stores may have been returned.

Ammunition received or expended during periods of encampment will not be entered in camp equipment accounts.

262. Charges for deficient camp equipment will be made in accordance with the instructions contained in para. 111.

263. When the issue of tentage to supplement barrack accommodation is authorized, tents, and, if necessary, tent bottoms, bedboards and trestles, will be obtained from the R.A.O.C. All barrack stores will be obtained from the officer in charge of barracks.

264. When the G.O.C. finds it necessary to increase the regulated proportions of stores supplied in camp, he will proceed as directed in para. 5 ; but it is to be clearly understood that such increases are only to be authorized in exceptional circumstances, as in the case of additional blankets in cold weather, and when the stores required are available within the command, and that the scales authorized in these regulations are to be reverted to immediately the special circumstances which necessitated the increase cease to exist.

265. In all issues for camps of manœuvre or flying columns at home, the G.O.C. may reduce the proportions in view of the requirements of the particular service and the strength of the troops and companies, and so diminish the weights to be transported.

266. Prior to leaving the camp, or at the termination of the service, accounting officers will see that all the articles taken on charge are duly accounted for on A.F. G 973, as either returned into store or deficient. Any deficiencies will be charged against the unit, or individual officer to whom the equipment has been issued, except in the case of wooden tent pins, of which 5 per cent. may be written off charge as expended by fair wear. In the event of lost stores being subsequently found, the procedure laid down in para. 106 will be followed.

267. Wood bottoms for circular tents for officers and men, or for marquees used for hospital purposes, will be issued when, owing to the dampness of the ground or to other causes, their use is certified by the D.D.M.S. to be necessary. They will not be supplied for the store, office, or workshop tents of units.

268. The G.O.C. in authorizing the supply of wood bottoms will proceed as directed in paras. 5 and 7.

269. At encampments where local conditions or circumstances render it impossible, or, in the opinion of the G.O.C., undesirable to dig trenches for latrine purposes, and the pail latrine system has specially to be resorted to, latrine buckets

may be issued in the following proportions to the contractor engaged to remove the soil :—

For officers ... 20 per cent. of number of officers encamped.

For other ranks ... 10 per cent. of number of other ranks encamped.

These numbers are regarded as sufficient to meet requirements for both pail latrines and urinals.

The conditions to be fulfilled by the contractors with regard to collection, disinfection, cleaning, repairing and re-delivering these buckets will be found detailed in the "special conditions of contract" embodied in a tender form approved by the Army Council and issued to G.Os.C., to govern local contracts in connection with the pail latrine system in encampments.

270. Nosebags, picketing gear, and waterproof covers for saddlery, will be supplied in camp free of charge for the regulated number of officers' horses, and for such hired horses as may be employed on the public service. Rugs, horse, will also be supplied for hired horses when required.

271. Mounted units proceeding by route march in Great Britain and Northern Ireland do not require camp equipment when the men and horses are billeted nightly. In cases where it is necessary to encamp during the march, Os.C. units will indent, previous to marching, for the camp equipment they require, being guided generally by the proportions laid down for "manœuvres," but demanding only such articles as are absolutely necessary.

272. To prevent the injury caused by damp and mildew, all tents, blankets, horse rugs, nosebags, canvas and leather buckets, and other canvas, linen, cotton, woollen, or leather articles which have become wet while in use, will be thoroughly dried, and cleaned as far as possible by the troops, before being returned into store.

273. When it is arranged for a unit in camp to hand over blankets, horse rugs, etc., direct to the washing contractor for washing and subsequent return to an ordnance depot, a detail of such items will be prepared, in triplicate, on check lists (or A.F. G 1033 if A.B. 200 or 200A is not available). The contractor's representative will sign all copies which will be disposed of as follows :—

Original to D.A.D.O.S. of area for recording in the washing book.

Duplicate to washing contractor.

Triplicate retained by unit to support the camp equipment account.

274. Camp kettles and other articles liable to injury from rust will also be dried and cleaned by the troops before return to store.

275. When troops under canvas have to march on immediate orders, the D.A.D.O.S. will confer with the O.C. troops as to the steps which should be taken for the drying and cleaning of the camp equipment prior to its being returned into store on the breaking up of the camp. If it is impossible to avoid striking tents when they are damp, the consignee must be advised by telegram.

276. The D.A.D.O.S. will bring to the notice of the O.C. troops any instance in which the camp equipment is not returned into store in a proper state, due allowance being made for fair wear and tear.

277. The following articles may be issued to units for instructional purposes. They will be held on equipment ledger charge, and on change of station will be transferred to the incoming unit :—

Cavalry regiments ...	4 circular single tents, 10 camp kettles, 6 pickaxes, 6 shovels, 13 heel peg mallets, 136 surcingle pads, 170 picketing pegs, 136 head ropes, 34 heel ropes, 136 4-ft. 9-in. picketing ropes.
Artillery brigades ...	12 camp kettles, 8 pickaxes, 8 shovels.
Artillery batteries and R.E. units ...	2 circular single tents.
R. Signals units ...	2 circular single tents, 5 camp kettles.
Coast Defence units and R.A.S.C. companies and R.A.O.C. sections and companies ...	1 circular single tent.
R.A.S.C. Training Centre, Aldershot	1 marquee, G.S., single.
Infantry battalions	4 circular single tents, 10 camp kettles, 4 canvas water buckets.
Tank battalions ...	4 circular single tents, 10 camp kettles.
Armoured Car companies ...	2 circular single tents, 5 camp kettles.
Foot Guards and Rifle depots ...	4 circular single tents.

R.A.M.C. companies 1 circular single tent, 1 operating tent, 1 marquee, G.S., single, 3 camp kettles, 3 pickaxes, 4 shovels, 1 billhook, stretchers, ambulance, Mk. II :—bars, suspension, 4, sheets, ground, 8, 1 packsaddle, 1 pair cacolets, 10 small signal flags with poles, 8 ambulance stretchers, 48 knee-caps, 1 bundle brushwood pickets.

Unserviceable tents (as to canvas) will be issued, but poles, pins, and mallets will be serviceable.

When batteries of artillery are stationed singly, a proportionate quantity of the brigade allowance will be issued.

278. The following articles will be issued, if required, to the units mentioned in the preceding para. and under the same conditions :—

Cordage	{ tarred, 1½-in., 20 ft. long	...	pieces	20
	{ white, ¾-in., 4 ft. long	...	„	20
Spars, wood, 12 ft.	...	...	...	6

279. A free issue of the under-mentioned articles of camp kit will be made to—

- (a) Officers appointed to permanent commissions in the Regular Army after 1st September, 1921.
- (b) Clergymen appointed to temporary commissions as chaplains in the Regular Army.
- (c) Members of the Queen Alexandra's Imperial Military Nursing Service ;

provided that issue in kind has not at any time already been made to, or the money allowance in lieu received by, such officers, clergymen, and nurses :—

- 1 portable camp bedstead and bag for the bedstead.
- 1 pillow, hospital pattern, hair, small.
- 1 sheet, ground.
- 1 collapsible washstand with canvas basin, bath, and bag.
- 1 chair, officer's, camp.
- 1 bucket, water, canvas.
- 1 valise, officer's kit, with straps, with name and regiment or corps painted thereon in 1-inch block letters in black paint.

The issue will be made (a) when the officer is first gazetted into the regular forces, (b) when the clergyman is first gazetted, and (c) on the first occasion on which the member of the Queen Alexandra's Imperial Military Nursing Service is ordered on active service.

CHAPTER VIII.*—VEHICLES—H.T. AND "A" AND "B" (MECHANICAL)

General.

281. H.T. and "A" and "B" vehicles on peace equipment charge may accompany units to camps, manoeuvres, etc., as considered necessary by the G.O.C., except that the use of travelling kitchens will be restricted to brigade training, divisional training and manoeuvres.

The kitchens may be taken into use three days prior to the commencement of the training.

In the case of infantry, the C.O. of a unit may, however, authorize the use of travelling kitchens on peace equipment charge during battalion, company, and musketry training, when, in his opinion, the training would suffer if the travelling kitchens did not accompany the troops.

The use of travelling kitchens involves heavy expenditure and C.Os. will exercise a strict supervision over their use in order to minimize the cost for this service as much as possible.

Instructions on the care and preservation of horse-drawn travelling kitchens are given in **Appendix 30**, and they will be rigidly adhered to by all concerned.

282. H.T. vehicles, harness, saddlery and packsaddlery will be kept in repair by the military tradesmen of the troops at the station, as the G.O.C. may direct, under paras. **402** and **405**. Materials for repair of harness and saddlery in use with regimental transport will be supplied up to the proportions detailed in **Appendix 20**. When private tradesmen are employed a certificate to that effect is required on the claim, which may be paid, subject to audit, without special reference to the War Office. (*See* para. **409**.)

283. H.T. vehicles in possession of units or held by R.A.O.C. as mobilization equipment, will always be complete with the authorized proportion of components, accessories, spare parts, and vehicle equipment.

Appendix 25 contains a complete list of the components, accessories, spare parts and cart and wagon equipment of general service vehicles; for details of R.A., R.E., and R. Signals technical vehicles, *see* E.R., Part 2, Sections XI, XII and XIII.

* Provisional.

Accidents.

284. (a) In all cases of accident, a report on A.F. A 3676 will be completed, and the unit commander concerned will make an immediate investigation.

(b) Where the damage to W.D. property does not exceed £50 and no third party claims are involved, the unit commander will, if he deems it necessary, convene a court of inquiry in accordance with King's Regulations, 1928, para. 738.

Where the damage to W.D. property is over £50 or where third party claims are involved, the matter will be reported to the G.O.C., who will convene such court of inquiry as may be required by King's Regulations, 1928, paras. 738 or 739.

(c) If the accident is considered to be due to a mechanical defect, the matter will be reported immediately to the area D.A.D.O.S., who will take necessary action under paras. 416 and 417 as regards "A" and "B" vehicles.

(d) Where the amount of W.D. damage (excluding overhead charges) does not exceed £4, and provided no civilian person, vehicle, animal or property is involved, the unit commander is empowered to authorize the necessary repairs at the public expense (subject to any stoppage that may be made from any individual soldier).

Where, however, the amount of the damage exceeds £4, or civilian persons, vehicles, animals or property are involved, the unit commander will submit the report on A.F. A 3676 to higher authority, accompanied by the proceedings of the court of inquiry, if one has been convened by him. In cases where damage or injury has been done to the property or persons of third parties, the report should state as nearly as can be estimated, without reference to the third party, the probable extent of the claim or claims.

When a court of inquiry is held, one of the members should be an officer qualified to give technical evidence, and when there is any doubt as to the accident being due to a mechanical defect, the court should be adjourned for the attendance of a representative of the C.I.A. The proceedings of the court will be dealt with in accordance with para. 94 where there has been loss of or damage to Government vehicles or stores, but where no such loss or damage has been incurred, the proceedings will be transmitted by the president to the convening officer for submission to command H.Q.

(e) When action for recovery of cost of damage is taken against any individual soldier, the amount will be assessed on the lines indicated in paras. 111 and 112 as modified by King's Regulations, 1928, para. 568.

(f) In cases to which they are applicable, the instructions

in the pamphlet entitled "Traffic Accidents. Claims arising out of Collisions with insured Vehicles and Animals" will be observed.

"A" AND "B" VEHICLES.

General.

285. The purchase and issue of all new vehicles will be under War Office control.

Questions of design are co-ordinated and controlled by the War Office through the usual channels. (*See also* para. 16.)

C.Os. are forbidden to communicate direct with makers of "A" and "B" vehicles.

Source of Supply.

286. "A" and "B" vehicles and all materials required for their maintenance and repair, including spare parts, tools and accessories, solid tyres, covers and tubes, will be issued by the R.A.O.C., indents being submitted as directed in paras. 2, 26 and 28.*

287. Indents will be limited in accordance with the instructions in para. 294.

288. Indents on A.F. G 997 for timber, oxygen and acetylene gases, and cleaning materials appearing in the vocabulary of Army Ordnance stores required for all types of vehicles (R.A.S.C. and "A" and "B" vehicles) will be submitted to the D.A.D.O.S. of the area.

289. When a new vehicle is issued, one instruction book, with lubrication chart and log book, will be sent with it.

Indents on A.F. G 997 for further M.T. publications (except the vocabulary of Miscellaneous Stores for M.T.) will be submitted to the D.A.D.O.S. of the area and will be based on the following scale :—

Identification lists or trade lists of spare parts.	One for each accounting unit for each different make and type of vehicle held on charge.
Instruction book with lubrication chart.	Two for each unit H.Q. and two for each squadron, battery or company.

* Stores (other than timber, oxygen and acetylene gases, and cleaning materials as necessary) required for R.A.S.C. M.T. vehicles will be demanded on A.F. G1058 from the M.T. Stores Depot, R.A.S.C., Feltham, Middlesex.

290. The outfits authorized for "B" vehicles and for certain "A" vehicles are detailed in **Appendix 26**, and for other "A" vehicles in the provisional scales of peace equipment.

The war scale (initial supply on mobilization) of lubricants for "A" vehicles is detailed in **Appendix 27**.

Vehicle Records and Returns.

291. The following records will be maintained by units :—

- (a) A.B. 5—(vehicle log sheet file) for each "A" and "B" vehicle on charge.
- (b) A.F. G 3519—(monthly vehicle log sheet) for each "A" and "B" vehicle on charge.

A.B. 5 will accompany the issue voucher of the vehicle on its transfer from one unit to another, and when an "A" or "B" vehicle passes out of the Service, the relative A.B. 5 will be disposed of as under :—

For "A" vehicles.

To the C.I.A., Royal Arsenal, Woolwich.

For "B" vehicles.

To the O.O., Farnborough, Hants.

The instructions contained in A.B. 5 for keeping the vehicle log sheet file will be strictly complied with.

A.F. G 3519 will be completed and filed in accordance with the instructions on the form and in A.B. 5.

292. A.F. B 5106 (Return of mechanically propelled vehicles liable to registration under the Roads Act, 1920), is applicable to "B" vehicles only, and will be rendered as follows :—

- (a) By all units in home commands ; monthly (in duplicate) through the usual channels to the O.O., Farnborough, Hants, to reach that officer not later than the fifth day of each month. The return will show the vehicle state on the last day of the preceding month.
- (b) By all units abroad ; half-yearly (in duplicate) through the usual channels to the O.O., Farnborough, Hants, to reach that officer not later than the first day of January and July.

293. With regard to "A" vehicles, a return, on A.F. B 272, showing the vehicle state will be rendered quarterly, through the usual channels, to the Under-Secretary of State (M.G.O. 5), The War Office.

Stores and Materials for the upkeep of "A" and "B" Vehicles.

294. In addition to the vehicle outfits (*i.e.* non-consumable items of equipment and tools) authorized in **Appendix 26** and in provisional scales of peace equipment for "A" vehicles, units are authorized to hold a limited stock of consumable stores, material and spare parts usually of minor value (excluding tyres and tubes) which are required for running repairs and cleaning purposes.

This stock will not exceed an amount representing the normal quarterly consumption of each item, will be limited to articles in common demand, and will be maintained by quarterly indents on the D.A.D.O.S. of the area.

These indents will be clearly marked "Quarterly indent under E.R., Part 1, 1932, para. 294."

Instructions for accounting for these stores are shown in **Appendix 2**.

The stores held under this paragraph will be available for inspection by the C.I.A., D.A.D.O.S., and Local Auditor. C.Os. will be called upon to explain any excess expenditure or undue accumulation of stores. Serviceable articles which become surplus will be returned to the issuing depot, the voucher being marked "Surplus under E.R., Pt. 1, 1932, para. 294."

295. Indents for stores not in common demand and for those authorized by provisional scales of peace equipment for "A" vehicles and by **Appendix 26**, will be submitted as and when they are required to replace unserviceable articles.

Maintenance and Accounting.

296. Instructions as regards (a) maintenance, repairs and inspections of "A" and "B" vehicles, are contained in Chapter XVII; (b) marking, in Chapter XVIII and **Appendix 48**; and (c) accounting, in **Appendix 2**, and also **Appendix 1** where applicable.

CHAPTER IX.—HARNESS, SADDLERY, STABLE NECESSARIES, AND EQUITATION ARTICLES

297. The details of sets of harness, saddlery and packsaddlery are shown in **Appendix 21**.

One set of saddlery will be supplied for the use of each officer entitled to the free issue of one or more public horses under Allowance Regulations, and will be held on equipment ledger charge of the unit to which the officer belongs. In the case of staff officers the saddlery will be accounted for by a unit to be selected by the headquarters concerned. The saddlery will accompany the officer on transfer * if desired by him, the usual receipt and issue vouchers being passed between the units concerned, but public saddlery will not be taken to India by individual officers transferred to the Indian establishment.

298. The lamb skins or leopard skins issued with sets of officers' saddlery will be supplied without any edgings or facings. Regimental arrangements should be made for fitting the edgings and facings, for which the following allowances will be drawn from the command paymaster :—

2s. 3d. for an officer of a mounted unit (the work being done by the regimental saddler).

3s. 6d. for an officer of a dismounted unit.

Payments will be charged against Vote 8, Equipment Stores, Harness and Saddlery. The above allowances will be issuable to men in receipt of normal rates of pay only, and not to those in receipt of tradesmen's rates.

299. Horse logs for use in conjunction with head ropes in billets on the line of march, will be demanded from the R.A.O.C. by Os.C. mounted units and returned to store on arrival at their destination.

300. When units proceeding by sea are directed to take their harness and saddlery with them, it will be packed for shipment in corn or other suitable sacks (a four-bushel corn sack will hold one single set of harness or two sets of saddlery). Each sack should be marked in such a manner as will enable its contents to be easily identified on disembarkation; for this purpose three "brushes, sash tool, No. 2," and three pounds of black paint for every 100 sacks may be indented for.

* Does not apply to officers moving to headquarters or other units on mobilization.

The two sets of saddlery will be packed in the four-bushel corn sack in the following manner :—Detach stirrup irons and place them in hollow of seat between pommel and cantle. Wrap surcingle and strapping round. Lower the saddle front arch downwards into sack. Pack stirrup irons and bridle complete together with traces (if any) inside saddle. Place saddle blanket on top.

The second set will be packed in a similar manner, except that the saddle seat will be on opposite side of sack to first one.

301. Horse rugs for use in stables during cold weather will be allowed on the scale of one for each public horse or mule.

At home stations a second rug will be issued when considered necessary by the senior veterinary officer. Rugs will normally be indented for on 1st September, and will be returned to ordnance store in April. At stations abroad rugs will be indented for, when considered necessary by the senior veterinary officer, and will be returned to ordnance store at the end of the cold weather.

If units go into standing camp or proceed on manœuvres before the rugs in use in stables are returned to ordnance store, those in possession will be taken by the unit instead of indenting on R.A.O.C. for rugs under the standing camp or manœuvre scales (*see Appendix 24*).

The rugs allowed for sick animals under E.R., Part 2, must on no account be used on healthy animals.

302. Stable necessities will be supplied in the proportions laid down in the several sections of E.R., Part 2, for all horses the property of the public. Officers entitled to the free issue of one or more public horses, but permitted to provide their own horses for military duty in lieu, may also be supplied with the foregoing articles for each horse so provided. For hired horses, when employed on the public service, issue may, if necessary, be made of one horse brush and one curry comb for every two horses, and one horse-rubber and one nosebag for each horse.

A portion of horse brushes may, at the discretion of C.Os., be commuted for dandy brushes. For commutation purposes two dandy brushes will be regarded as the equivalent of one horse brush.

303. Such stable necessities as are an annual supply will be dealt with under paras. **103** and **411**, and need not be returned to store when unserviceable.

304. Losses or premature unserviceability of stable necessities will be dealt with under paras. **90** and **111**.

305. The following proportions of hair and flock, in addition to the annual allowance given in **Appendix 20**, will be issued with each pair of new stuffed pannels, if indented for :—

Pannels, officers' ...	... $\frac{1}{2}$ lb. of flock.
Pannels, packsaddlery ...	... 2 lb. of hair, curled.

306. Equitation articles will be supplied to mounted services in the proportions shown in the several sections of E.R., Part 2, and will be accounted for in the same manner as other equipment. The detail of a set is shown in **Appendix 21**, Table 9.

307. Each cast army horse which has to be sent by rail to the place of sale may be provided with a halter, common, which will be disposed of with the horse.

Cast animals sent by rail to London for destruction will be provided with halters, common, and, when necessary, horse rugs and hay nets. These articles will be vouched to the O.C. Station Veterinary Hospital, Woolwich, and that officer will arrange for disinfection and return to the C.O.O., Woolwich Arsenal, as accumulations arise.

CHAPTER X.—HORSESHOES, FORGE, FARRIERS' AND SADDLERS' TOOLS

308. Horse and mule shoes will be issued for use during peace and will be stored with mobilization equipments of units on the following scale of sizes.

Shoes tapped for use with frost cogs will be held in mobilization equipments.

A.—HEAVY DRAUGHT HORSES

I.—Iron Shoes

Description.								Percentage of sizes.
Shoes, horse, heavy pattern—								
Fore ...	{	6½-in.	...	...	...	...	...	25
		7	"	...	...	...	...	30
		7½	"	...	...	...	...	20
		7½	"	...	...	...	...	15
		7½	"	...	...	...	...	5
		8	"	...	...	...	...	5
Hind, with calkins	{	6½	"	...	...	...	...	45
		7	"	...	...	...	...	35
		7½	"	...	...	...	...	10
		7½	"	...	...	...	...	10

II.—Steel Shoes

Description.										Percentage of sizes.
Shoes, horse, steel—										
No. 10, fore										10
Shoes, horse, steel, heavy pattern—										
Fore	...	{	6½-in.	...	...	...	...	...	...	20
			7	...	...	...	...	...	...	25
			7½	...	...	...	...	...	...	20
			7½	...	...	...	...	...	...	15
			7½	...	...	...	...	...	...	5
			8	...	...	...	...	...	...	5
Shoes, horse, steel—										
No. 8 } hind, wheel										20
,, 9 } hind, wheel										20
,, 10 } hind, wheel										25
Shoes, horse, steel, heavy pattern—										
Hind	{	6½-in.	...	...	...	...	...	...	...	20
		7	...	...	...	...	...	...	...	10
		7½	...	...	...	...	...	...	...	2½
		7½	...	...	...	...	...	...	...	2½

B.—OTHER HORSES AND MULES

I.—Iron Shoes

Description.	Percentage of sizes for						
	Household Cavalry.	Cavalry of the Line.		Royal Artillery.			R.E., R. Signals, R.A.S.C. Infantry, Head-quarters units, etc.
		Home.	Egypt.	Horse.	Field.	Light (a).	Home. Egypt.
Shoes, horse—							
No. 3, fore and hind ...	—	5	—	—	—	—	—
„ 4 „ „ „ „ „	—	45	2	20	8	—	—
„ 5 { fore	43	36	16	28	20	—	28
„ 5 { hind, without calkins	43	36	16	21	14	—	14
„ 5 { „ with calkins ...	—	—	—	7	6	—	14
„ 6 { fore	40	12	14	32	30	—	32
„ 6 { hind, without calkins	36	10	14	8	9	—	16
„ 6 { „ with calkins ...	4	2	—	24	21	—	16
„ 7 { fore	16	1	1	12	24	—	24
„ 7 { hind, without calkins	8	$\frac{1}{2}$	$\frac{1}{2}$	2	24	—	—
„ 7 { „ with calkins ...	8	$\frac{1}{2}$	$\frac{1}{2}$	10	—	—	24
„ 8 { fore	1	1	—	6	14	—	8
„ 8 { hind, with calkins ...	1	1	—	6	14	—	8
„ 9 { fore	—	—	—	2	2	—	4
„ 9 { hind, with calkins ...	—	—	—	2	2	—	4
„ 10 { fore	—	—	—	—	—	—	2
„ 10 { hind, with calkins ...	—	—	—	—	—	—	2
Shoes, horse, light pattern—							
No. 2, fore and hind ...	—	—	34	—	—	—	8
„ 3 „ „ „ „	—	—	33	—	—	—	25
„ 4 „ „ „ „	—	—	—	—	—	—	34
„ 5 „ „ „ „	—	—	—	—	—	—	25
Shoes, mule—							
No. 11, Mk. II	—	—	10	—	—	—	10
„ 12 „ „ „ „	—	—	15	—	—	—	15
„ 13 „ „ „ „	—	—	20	—	—	—	20
„ 14 „ „ „ „	—	—	25	—	—	—	25
„ 15 „ „ „ „	—	—	20	—	—	—	20
„ 16 „ „ „ „	—	—	10	—	—	—	10

(a) Sizes will be indented for according to animals in possession.

II.—Steel Shoes

Description.	Percentage of sizes for							
	Household Cavalry.	Cavalry of the Line.		Royal Artillery.			R.E., R. Signals, R.A.S.C. Infantry, Headquarters units, etc.	
		Home.	Egypt.	Horse.	Field.	Light (a).	Home.	Egypt.
Shoes, horse, steel—								
No. 2, fore and hind ...	—	—	34	—	—	—	—	8
„ 3 „ „ ...	—	5	33	—	—	—	—	25
„ 4 „ „ ...	—	45	2	20	8	—	4	34
„ 5 { fore ...	43	36	16	28	20	—	28	25
„ { hind, lead ...	43	36	16	21	14	—	14	25
„ { „ wheel ...	—	—	—	7	6	—	14	—
„ 6 { fore ...	40	12	14	32	30	—	32	8
„ { hind, lead ...	36	10	14	8	9	—	16	4
„ { „ wheel ...	4	2	—	24	21	—	16	4
„ 7 { fore ...	16	1	1	12	24	—	24	—
„ { hind, lead ...	8	$\frac{1}{2}$	$\frac{1}{2}$	2	24	—	—	—
„ { „ wheel ...	8	$\frac{1}{2}$	$\frac{1}{2}$	10	—	—	24	—
„ 8 { fore ...	1	1	—	6	14	—	8	—
„ { hind, wheel ...	1	1	—	6	14	—	8	—
„ 9 { fore ...	—	—	—	2	2	—	4	—
„ { hind, wheel ...	—	—	—	2	2	—	4	—
„ 10 { fore ...	—	—	—	—	—	—	2	—
„ { hind, wheel ...	—	—	—	—	—	—	2	—
Shoes, mule, steel—								
No. 11 ...	—	—	10	—	—	—	10	10
„ 12 ...	—	—	15	—	—	—	15	15
„ 13 ...	—	—	20	—	—	—	20	20
„ 14 ...	—	—	25	—	—	—	25	25
„ 15 ...	—	—	20	—	—	—	20	20
„ 16 ...	—	—	10	—	—	—	10	10

(a) Sizes will be indented for according to animals in possession.

309. The war scale of shoes for all animals will be at the rate of 50 sets for every 100 animals included in the war establishments of units.

GENERAL INSTRUCTIONS FOR THE SUPPLY OF SHOES AND NAILS DURING PEACE

310. Shoes and nails will be indented for quarterly as follows :—

Shoes.

Cavalry, R.A., R.E., R. Signals and R.A.S.C.—Not more, at any one time, than three sets for 50 per cent. of the horses on the strength of the unit (*see para. 318*).

Other units.—Not more, at any one time, than three sets for each horse on the strength of the unit.

Nails.

All units.—Not more, at any one time, than the equivalent of three sets for each horse on the strength of the unit, plus (as spare) 10 per cent.

These quantities are regarded as normally sufficient for three months, and no additional issues will be made without a certificate from the veterinary officer, countersigned by the C.O., explaining the circumstances which have rendered additional supplies necessary.

Unless specially indented for, shoes will be issued to Cavalry, R.A., R.E. and R. Signals in sizes as detailed in *para. 308*. Other units will indent for sizes as required.

311. A spare set of shoes ready fitted for immediate use and with the proper complement of nails will be held by units for every public horse. These shoes will be used every quarter and replaced by new ones.

A spare set of shoes (with the necessary nails) will also be held for 50 per cent. of the number of horses required to complete the unit from peace to war establishment, to cover shoeing operations on mobilization.

312. When units march from one station to another, one fore shoe (with nails) will be carried for each horse, and in the case of horses with brittle feet, one hind shoe (with nails) in addition. C.Os. will arrange to send forward as heavy baggage, to such points in the line of march as may be most convenient, any further numbers likely to be required on the march, not exceeding one set a horse for the entire strength, and will return the remainder (including any old shoes in possession) to store, or, if there is no ordnance depot at the station, hand them over to the incoming unit, in either case obtaining a receipt. The shoes removed from the horses' feet on the march will be returned to store should opportunity offer, and a receipt likewise obtained for them, unless they can

be conveniently carried by the regimental transport. When the route of the unit lies through a R.A.O.C. station, any shoes required will be drawn there, so as to obviate, as far as possible, the expense of sending shoes forward by rail. On the arrival of the unit at its destination, a number of new shoes equivalent to those returned to store or handed over may be drawn, one new shoe being considered equal to two old ones, and the receipts above referred to being attached to the indent.

If the unit proceeds by rail from one station to another, one fore shoe (with nails) will be taken for each animal, the balance being returned to store or handed over to the incoming unit if there is no ordnance depot at the station, and others drawn in lieu as directed above.

313. Horses supplied free to officers entitled to them under the Allowance Regulations, and used solely for military purposes, will be shod at the public expense.

314. (1) All horses, the property of the public, for which a hiring or hire purchase charge is paid by officers under Regulations Governing the Use of Chargers and Troop Horses for General Purposes, 1930, and all privately owned horses foraged at the cost of the public, must be shod at the officers' expense. If the shoeing of these horses is performed in an army farriery, charges will be made against the officer concerned as follows :—

- (a) For supplying and putting on new shoes, 4 shillings a set.
- (b) For putting on a set of new shoes provided privately, 3 shillings.
- (c) For removing and refitting old but still serviceable shoes, 2 shillings a set.

(2) No charge will be made for the shoeing of troop horses hired for polo, hunting or show jumping, unless special shoes are fitted, in which case the unit will be charged as laid down above.

(3) Provided that the O.C. the owner's unit certifies that no civilian shoeing facilities are accessible in the vicinity, privately owned horses or ponies the property of serving officers, although not foraged at the cost of the public, may also be shod in army farrieries by permission of the O.C. the unit carrying out the shoeing concerned. The charges to be made for such services will be as follows :—

- (a) For supplying and putting on new shoes, 8 shillings a set.
- (b) For putting on a set of new shoes, provided privately, 6 shillings.
- (c) For removing and refitting old but still serviceable shoes, 4 shillings a set.

(4) Monthly returns will be rendered by farriers to their C.Os. showing the number of officers' horses shod under the provisions of this para., in order that the necessary credit may be given to the public in the accounts of the command paymaster.

(5) Shoes and nails will not be supplied from public sources on payment for officers' horses not shod in an army farriery.

315. Unless specially indented for, nails will be issued in the proportions shown by weight in the following table :—

Table of Nails for Iron Shoes, Horse, Mule and Pony

Description of shoes.	Description of nails.	Weight of nails allowed for 100 sets of 4 shoes.	No. of nails allowed for each set of shoes.
Shoes, horse—		lb.	
Nos. 1 and 2 ... }	No. 6	22	{ 26
No. 3 ... }	No. 6	22	{ 26
No. 4 ... }	No. 6	22	{ 32
No. 5 ... }	25% No. 6	7	{ 32
	75% No. 8	27	
No. 6 ... }	75% No. 8	27	{ 32
	25% No. 10	12	
Nos. 7 and 8 ... }	75% No. 8	30	{ 36
	25% No. 10	13	
Nos. 9 and 10—			
Fore and hind, without calkins ... }	80% No. 10	47	{ 42
	20% No. 13	16	
Hind, with calkins ... }	60% No. 10	35	{ 42
	40% No. 13	33	
Shoes, horse—			
Heavy pattern, all sizes ... }	75% No. 13	66	{ 46
	25% No. 15	29	
Light pattern—			
Nos. 2 and 3 ... }	No. 6	22	{ 26
No. 4 ... }	80% No. 6	18	{ 26
	20% No. 8	6	
No. 5 ... }	No. 8	29	{ 26
Shoes, mule—			
Nos. 11 and 12, Mk. II ...	No. 4	14	26
Nos. 13, 14 and 15, Mk. II	No. 6	27	32
No. 16, Mk. II ...	No. 8	36	32
Shoes, pony—			
No. 21 ...	No. 4	14	26

Table of Nails for Steel Shoes—Horse, Mule and Pony

Description of shoes.	Description of nails.	Weight of nails allowed for 100 sets of 4 shoes.	No. of nails allowed for each set of shoes.
Shoes, horse, steel—		lb.	
No. 1 { fore ... hind ... }	No. 4	15	26
Nos. 2, 3 { fore ... and 4 hind ... }	No. 6	22	26
Nos. 5 { fore ... and 6 hind, lead ... }	50% No. 6	14	32
	50% No. 8	18	
	75% No. 8	26	
	25% No. 10	12	
No. 7 { fore ... hind, lead ... }	75% No. 8	30	36
	25% No. 10	16	
	50% No. 8	16	
	50% No. 10	20	
No. 8 { fore ... hind, lead ... }	75% No. 8	28	42
	25% No. 10	12	
	25% No. 8	10	
	75% No. 10	36	
Nos. 9 { fore ... and 10 hind, lead ... }	50% No. 8	22	42
	50% No. 10	28	
	60% No. 10	34	
	40% No. 13	32	
Shoes, horse, steel—			
Heavy pattern, all sizes—			
Fore ...	75% No. 13	66	46
Hind ...	25% No. 15	29	
Shoes, mule, steel—			
Nos. 11 and 12 ...	No. 4	14	26
Nos. 13, 14 and 15 ...	No. 6	27	32
No. 16 ...	No. 8	36	32
Shoes, pony, steel—			
No. 21 { fore ... hind ... }	No. 4	14	26

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FROST COGS, TAPS AND WRENCHES

A.—PEACE

316. (a) On the 1st September in each year, indents will be put forward by Os.C. units at home (Jersey and Guernsey excepted) for the number of cogs, screw, frost, required to bring those in possession up to the scale of two sets for each horse and mule. They will be indented for by weight.

The proportion of cogs allowed will be as follows :—

Description of shoes.	No. of cogs for each set of shoes.	Description of cogs.	Weight of cogs allowed for every 100 sets of 4 shoes.
Shoes , horse, sizes 1-7, and all mule and pony shoes	8	$\frac{3}{8}$ -in.	lb. 25
Shoes , horse, size 8 ...	16	$\frac{1}{2}$ -in.	50
Shoes , horse, sizes 9 and 10, and all heavy shoes ...	16	$\frac{1}{2}$ -in.	100

(b) To enable horse and mule shoes to be tapped for frost cogs by regimental farriers in winter months when necessary, the under-mentioned articles will be issued as peace equipment to those units, etc., as stated below, which are not in possession of screw-cutting tools containing suitable taps and wrenches for tapping shoes.

In the case of units, etc., whose establishment does not include a farrier, local arrangements will be made to carry out the tapping when necessary.

Section F.

Tools , screw-cutting, B.S.W., Sets, No. 1—		} For each squadron of cavalry and all other units, schools, etc., whose establishment includes a farrier, except the Equitation School, Weedon, when double these quantities may be issued.
Taps, $\frac{1}{2}$ -in. taper ...	3	
" $\frac{3}{8}$ -in. " ...	3	
Wrenches , reamers and tools, screwcutting—		
C.	1	
D.	1	

(c) Taps and wrenches for use with frost cogs will be issued in the following proportions :—

Taps, frost cog :—

$\frac{3}{8}$ -in.	{ 1 for each farrier. 1 for every 4 animals on the strength of units which require $\frac{3}{8}$ -in. cogs.
$\frac{1}{2}$ -in.	{ 1 for each farrier of units having horses which require $\frac{1}{2}$ -in. cogs. 1 for every 4 horses on the strength of units which require $\frac{1}{2}$ -in. cogs.

Wrenches, frost cog—1 for each farrier. 1 for every 4 animals on the strength of units.

B.—WAR

317. The war scale of frost cogs will be one set for each animal. Scales of taps and wrenches will be as laid down in para. **316** (c). Frost cogs will not be stored with mobilization

equipments, but will be provided by R.A.O.C. on mobilization if specially ordered.

Special Instructions

Cavalry, R.A., R.E., R. Signals and R.A.S.C.

318. One set of shoes each month will be allowed for each horse on the establishment. Of this allowance 50 per cent. will be machine-made shoes issued by the R.A.O.C., and the remaining 50 per cent. will be made in the forges of the units out of the worn-out shoes removed from the horses; any iron or steel, mild flat in the case of units in possession of steel horse-shoes, that may be required in addition, will be supplied by the R.A.O.C. on the indent of the C.O., supported by the veterinary officer's certificate.

Worn-out shoes which cannot be utilized by units will be brought on equipment ledger charge by certificate receipt voucher and returned quarterly to the R.A.O.C.

Other Units

319. One set of machine-made shoes each month will be allowed for each horse on the establishment. All worn-out shoes will be returned to the R.A.O.C.

At stations other than Aldershot the necessary arrangements for shoeing the horses of M.M.P. will be made by the O.C. the unit to which the horses are attached.

Forge and Farriers' Tools, etc.

320. (1) Forge and farriers' tools for peace (except the barrack fixtures provided by the R.E.) will be drawn from the R.A.O.C. and held on equipment ledger charge.

(2) The "chest, tool, filled, farriers'," the detailed contents of which are given in the Appendix to the Vocabulary of Army Ordnance Stores, Section F, contains one set of forge and one set of farriers' tools. The proportions in which the chests will be supplied are as follows:—

Cavalry regiment	{home	3
	{colonies	6
School of Equitation		2
R. Signals—depot battalion		6
Divisional signals		2
"A" Corps signals		1
Other signal company or cavalry divisional signals	...	1
Field squadron, R.E.		1
Field company, R.E.		1
R.E. mounted depot		1
R.A.S.C. training battalion		1
M.M.P., Aldershot		1

(3) Additional sets of farriers' tools will be supplied to make the total number on charge equal to, in the case of :—

(a) *Cavalry regiments, Colonies—*

1 for each farrier serjeant, farrier corporal and farrier, and one spare set for each squadron for instructional purposes, this set to include two aprons, leather.

(b) *Cavalry regiments, Home—*

1 each farrier included in peace establishment.

(c) *School of Equitation* ... 9 sets.

(d) *R.A. units—*

As detailed in E.R., Part 2, Sections XI and XII.

(e) *R.E. units—*

Mounted depot ... 4 sets.

Field squadron ... 3 bags, tool, farriers', filled.

(f) *R. Signals—*

Divisional signals ... 3 bags, tool, farriers', filled.

Artillery signal section

(horsed) ... 1 bag, tool, farriers', filled.

Depot battalion ... 6 bags, tool, farriers', filled.

(g) *R.A.S.C.—*

Training battalion ... 2 sets.

(4) One spare set of tools for instructional purposes, consisting of :—

Buffers, farriers' 2

Hammers, farriers', shoeing ... 2

„ „ sledge ... 1

Knives, drawing, farriers' ... 2

„ searching, farriers' ... 1

will be issued to each of the under-mentioned units, viz. :—

R.E.—

Field Squadron.

Field Company.

Mounted depot.

R. Signals—

Divisional Signals.

Cavalry Divisional Signals.

(5) Worn-out rasps may be retained for steeling horseshoes.

321. Tools, Saddlers'.—Saddlers' tools will be supplied in the following proportions:—

- Panniers, tool, saddlers', filled.** { 1 each saddler borne on peace establishment of a cavalry regiment. Other units, except R.A., 1 for first saddler borne on peace establishment.
- Holdalls, tool, saddlers', filled.** { All units except cavalry regiments and R.A.—1 for each saddler borne on the establishment except those provided with a pannier.

322. For war, forge and farriers' tools will be supplied as follows:—

- All units except those mentioned below. { 1 bag, tool, farriers', filled as detailed in the Appendix to the Vocabulary of Army Ordnance Stores, Section F, for each farrier serjeant, farrier corporal and farrier on the war establishment.

R.A. Units { As detailed in E.R., Part 2, Sections XI and XII.

Field companies, R.E. { 3 bags, tool, farriers', filled, for each company.

R.A.S.C.—

Training battalion

Chests, tool, filled, farriers'.	Additional sets of farriers' tools.
1	Sufficient bags, tool, farriers', filled, as may be necessary to allow 1 bag for each farrier-serjeant, farrier-corporal, and farrier on the war establishment.

The tools forming part of the peace equipments of units will be taken in diminution of war requirements.

CHAPTER XI.—RESPIRATORS AND STORES FOR ANTI-GAS TRAINING

323. The stores authorized for anti-gas training and for unit repairs under para. 331 are detailed in **Appendix 36**.

Instructions regarding the method of using and storing lachrymatory capsules and the precautions to be observed in handling the capsules are contained in **Appendix 37**.

324. Units at home and abroad will hold respirators as follows :—

- (a) *Facepieces, Mk. III or IV.* On the scale of one for each officer and man up to the full peace establishment, plus 5 per cent. spare as a margin to replace condemnations.
- (b) *Haversacks.* On the scale of one for each officer and man up to the full peace establishment. Haversacks Mk. I and I.T. which are issued for the use of mounted troops will require to be modified by the unit in accordance with List of Changes, para. A 428.
- (c) *Outfits, Anti-Dimming, Mk. II, III or IV.* On a scale of one for each officer and man up to the full peace establishment.
- (d) *Containers, Type A., Mk. II or III.* On the scale of one for each officer and man up to the full peace establishment. These will be withdrawn immediately on the mobilization of the unit.

One of each of the above items (a) to (d) will also be issued to members of Queen Alexandra's Imperial Military Nursing Service.

- (e) *Containers, Type D., Mk. I,* will be stored with mobilization equipment of certain units as specially ordered by the War Office on the scale of one for each officer and man. For all other units they will be issued by the R.A.O.C. when the unit is ordered to mobilize. They will also be issued as required on mobilization to members of Queen Alexandra's Imperial Military Nursing Service.

(i) These containers will be stored during peace in their original packages. Each case will be packed with 20 containers and 30 pieces of wire, 11 in. long, for fixing to facepieces on mobilization. This allows 50 per cent. spare pieces of wire.

- (ii) The adhesive tape required for use when fixing the wire is detailed in war equipment tables and will be provided by R.A.O.C. on mobilization.
- (f) 10 per cent. spare facepieces will be held with units' mobilization equipments for fitting reservists posted on mobilization. This percentage will be calculated on the difference between peace and war establishments of units existing in peace, and on full war establishments of units not existing in peace.
- (g) The following annual scale of stores will be held to cover replacements :—
 - Cloths, disinfecting facepiece.* 10 for every 100 facepieces on charge.
 - Cord, whip (for haversacks).* 25 ft. for every 100 haversacks on charge.
- (h) On mobilization, when the mobilization container is taken into use, the wire platforms will be removed from haversacks and returned to R.A.O.C. for storage.

325. Depots will hold complete respirators (facepiece, haversack, container, Type A., Mk. II or III, and outfit, anti-dimming, Mk. II, III or IV) on the scale of one for each officer and man on the authorized establishment.

Complete respirators will also be issued to all recruits on first joining at depots or at units.

326. The respirator is an article of personal equipment which remains in the possession of the individual so long as it is serviceable. In order that the facepiece may provide efficient protection against gas and, at the same time, not lead to discomfort when worn for long periods, it is essential that it should be properly fitted to the individual. The man, when trained to put it on, can then rely for complete protection on the fitted facepiece, and on that one only. The facepiece and the adjustment of the elastic buckles should therefore not be changed without refitting.

Full details regarding fitting will be found in Defence against Gas, 1927, Appendix III.

As soon as men have been fitted with respirators, arrangements should be made to have the latter marked in accordance with para. 522.

327. Respirators will accompany personnel on all changes of station (except India and the War Office), including posting from depot to battalion and transfer from one unit to another.

328. The number of respirators in possession of units (other than depots) will be adjusted to the approved scales laid down in para. 324 once a quarter, when surpluses consequent on the

arrival of drafts, etc., will be returned to R.A.O.C., or deficiencies due to the departure of overseas drafts, etc., will be made up by drawing from R.A.O.C. on indent.

Depots will indent once a quarter for such respirators as are likely to be required for equipping recruits. Indents should provide for facepieces of various sizes being requisitioned in suitable proportions.

329. Respirators in possession of officers who are posted to non-accounting units (except the War Office) will be written off charge by certificate issue voucher. When officers are reposted to accounting units their respirators will be taken on charge by certificate receipt voucher.

330. Haversacks and facepieces will be maintained in a serviceable condition and every precaution will be taken to ensure that the latter are correctly fitted.

Respirators will be inspected frequently by the company, etc., officer who will verify that respirators are complete and properly cared for. Attention is directed to Defence against Gas which enumerates the defects likely to be met.

331. A detailed inspection of respirators will be carried out annually under unit arrangements by an officer or N.C.O. who has qualified at the Anti-Gas Wing, Small Arms School. He will enter the result of his classification on A.F. G 870A, the numbers of serviceable "S" and repairable "R" (by unit) and "D" (*i.e.* other than "S" and "R") being inserted in the appropriate columns. A.F. G 870A will then be rendered to I.O.O. in triplicate. Repairs to those classified "R" will be carried out forthwith under unit arrangements and the contractual particulars of all unserviceable components replaced will be detailed on the army form. The method of carrying out the inspection is detailed in Defence against Gas, 1927, Section 23. Only such repair as is authorized in Defence against Gas, 1927, Section 26, will be carried out by the unit. Respirators requiring further repairs will be sentenced "D" by the unit and A.F. G 1045, for their repair, will be submitted to the D.A.D.O.S. of the area, together with three copies of A.F. G 870A, giving the appropriate particulars of the prime components. After repair the respirators will be returned to the unit and the I.O.O. will complete A.F. G 870A to show the actual condition of the respirators before repair. The completed A.Fs. G 870A will be disposed of by the I.O.O. as follows:—

- (a) One copy to the C.I.A. when reporting results of annual inspection.
- (b) One copy to the unit.
- (c) One copy retained by I.O.O.

In the fitting of new containers sufficient care must be paid to the correct hang of the container (*vide* Defence against Gas, 1927, Section 26, para. 4) to prevent distortion of the connecting tubes.

All respirators on unit charge which have been classified under unit arrangements as "D," and not previously dealt with as instructed above, also 5 per cent. of those as "S," on A.F. G 870A, will be inspected annually by I.O.O., as laid down in R.A.O.S., Part II, pamphlet No. 26 (*see also Appendix 50*). For those sentenced "R" (by R.A.O.C.) A.F. G 1045 will be submitted to the D.A.D.O.S. of the area; those sentenced "B.L.R." will be returned to R.A.O.C. and written off unit charge.

Mobilization Equipment.

332. An annual inspection by qualified unit instructors will be carried out as follows:—

Facepieces—

- 1 per cent. up to 2 years after date of manufacture of mask, with a minimum of 10.
- 2 per cent. when over 2 years after date of manufacture of mask, with a minimum of 20.
- 5 per cent. when over 3 years after date of manufacture of mask, with a minimum of 50.

Should defects of any nature be found, a further double percentage will be examined and the special attention of the I.O.O. drawn to the particular facepieces during his next visit.

Containers, Type D—

0.5 per cent. from each date of filling, with a minimum of 10.

An additional 0.1 per cent., with a minimum of 2, to be selected from each year of filling for inspection by C.I.A.

Haversacks—

5 per cent., with a minimum of 10 and a maximum of 100.

Anti-Dimming Outfits—

5 per cent., with a minimum of 10 and a maximum of 100.

For the purpose of annual inspection of facepieces in mobilization equipment, the date of assembly stencilled on the packing-case may be taken as approximate to the date of manufacture of the mask to obviate unnecessary opening of the packages.

333. All respirators in possession of troops will be tested in a gas chamber at least once a year under the supervision

of a trained gas instructor. The instructions regarding the use of gas chambers are detailed in Defence against Gas, 1927, Appendix III.

334. Containers, Type A, Mk. II and Mk. III, may be used in lethal and lachrymatory gases.

If so employed they should be inspected beforehand in order to ascertain whether the canisters are outwardly mechanically sound. If any perforations or punctures are apparent, the containers should be condemned. Similarly, any containers in which resistance to breathing is unduly high should also be condemned.

Containers, Type A, Mk. II and Mk. III, are not proof against toxic smokes.

Disinfection of Respirators.

335. The following will be issued for the purposes of disinfection with each respirator in possession of troops :—

Cloths, disinfecting, facepiece 2.

* Izal (held by units and issued as required).

336. The instructions with regard to disinfection laid down in Defence against Gas, 1927, Section 27, apply to all respirators, whether in use or held in haversacks in store. All units will also disinfect, immediately prior to despatch, all facepieces which are being returned to R.A.O.C., and issue vouchers will be endorsed with a certificate that this has been done. They will also disinfect all facepieces received from the R.A.O.C. before the facepieces are issued for wear, unless issued within six months of receipt.

337. Respirators will be disinfected twice yearly and on every occasion that the facepiece changes ownership or in cases of infectious disease. When disinfecting, the following procedure will be carried out :—

- (a) A solution of Izal will be prepared, three parts of Izal to 100 parts of water. The solution of Izal for disinfecting purposes should be freshly made for use on each occasion and not more than 50 facepieces should be disinfected with three gallons of the solution.
- (b) The rubber connecting tube will be detached from the container, and the whole facepiece, with connecting tube, immersed in the disinfecting solution. Any convenient vessel may be used to accommodate a number of facepieces at one time.

* R.A.S.C. supply.

- (c) After five minutes the facepiece is to be removed from the disinfecting solution and thoroughly washed out with water.
- (d) As much water as possible will be shaken off the facepiece and out of the connecting tube. The whole facepiece will then be laid out to dry. The time taken to dry will vary with the time of year, but it is essential that all moisture is allowed to dry out of the connecting tube before replacement on the container.
- (e) Containers.—The inside of the neck of the container will be carefully wiped out with a rag moistened with the Izal solution, the greatest care being taken to prevent any of the Izal solution from penetrating to the chemicals in the container.
- (f) After disinfection, the rubber connecting tube should be re-attached to the container with wire binding, 11 in. of which will be allowed for that purpose.

Cleaning of Respirators.

338. After use, the facepiece will be wiped with a clean and dry cloth, disinfecting, to remove all moisture.

In order to keep the facepiece in a wholesome condition, the following cleaning procedure will be carried out at intervals to be fixed at the discretion of the company, etc., commander :—

- (a) A solution of one part of Izal to 200 parts of water will be used.
- (b) Soak the cloth, disinfecting, in the disinfecting solution and sponge the whole of the inside of the facepiece.
- (c) Wipe out with water, taking care not to allow water to enter the connecting tube, and allow to dry.

These instructions apply to both Marks III and IV facepieces.

The external stockinette covering of the facepiece, when soiled by dust and mud, will be cleaned by light brushing. Other methods of cleaning are prohibited.

If wet from exposure to rain, the facepiece and head harness must be allowed to dry thoroughly before being put away in the haversack.

Nothing in this paragraph nullifies the instructions in paras. 336 and 337.

339. In tropical climates :—

- (a) During the monsoon period facepieces will be frequently wiped and inspected before being put away.
- (b) At changes of season respirators will be tested in a gas chamber under the supervision of a trained gas instructor.

- (c) A monthly "airing" of respirators in store in haversacks should take place.

Cleaning of Haversacks.

340. Haversacks must be cleaned only with preparations specially approved for use. On no account must they be scrubbed with water or cleaned with Blanco. Mud can be brushed off easily when the haversack is dry. Oil-stains can be removed by prolonged application of a paste made from the approved cleaning preparation.

Care of the Respirator.

341. In the interests of economy and efficiency it is important that the instructions for the care of the respirator, laid down in Defence against Gas, 1927, Section 22, should be strictly complied with. Particular attention in this connection is drawn to para. 3 of that Section with regard to the treatment of respirators in store.

CHAPTER XII.—SIGNALLING, RANGE-FINDING AND TELEPHONE EQUIPMENT

A.—SIGNALLING EQUIPMENT

342. Supplies will be issued in accordance with the several sections of E.R., Part 2.

343. In hot climates the folds of apparatus, aerial signalling, are liable to stick after storage, and to obviate this "chalk, french," should be used. The chalk will be obtained from the R.A.O.C. on the following scale :—

<i>Units abroad only.</i>			<i>Annual supply of chalk, french.</i>
			lb.
Cavalry regiment	...	...	3
R.A. battery...	...	...	3
Egypt signals	...	...	22
Infantry battalion	...	...	4½

B.—FIELD RANGE-FINDERS

344. Field range-finders will be supplied as shown in the several sections of E.R., Part 2. Instructions for the repair of these instruments will be found in **Appendix 32**.

C.—INSPECTION OF TELESCOPES AND BINOCULARS

345. Telescopes and binoculars held on charge for signalling and reconnaissance work under E.R., Part 2, Sections I and II, will be inspected annually by instructors in musketry or by signalling officers. For instructions for inspection and testing, *see* Regulations for Preservation of Artillery Equipment.

The report of inspection is to be made for the information of the G.O.C., and no reference need be made to the War Office unless the inspection shows that equipments appear to be defective in design, in which case proposals to remedy defects should be submitted in the usual way.

D.—TELEPHONE EQUIPMENT

346. Unserviceable telephone sets, D., Mk. III, as and when available, are allowed for instructional purposes in the proportions shown below :—

	For each
Cavalry regiments	1
Cavalry divisional signals—	
Headquarters	1
Each cavalry brigade troop	1
Divisional signals—	
Headquarters	2
Each F.A. brigade section	1
Each infantry brigade section	1
Artillery brigade signal section	1
Artillery batteries (all natures)	1
Infantry battalions	1
Signal training centre	10

CHAPTER XIII.—STORES FOR THE INSTRUCTION OF TROOPS IN MILITARY ENGINEERING

347. Tools and stores for the instruction of regular units of cavalry, artillery, engineers and infantry, in military engineering, will be supplied in the manner and in the proportions detailed below.

(1).—TOOLS FOR INSTRUCTION IN FIELD WORKS

Tools which form part of the peace equipment of units will in all cases be utilized. They will, in the case of the units mentioned below, be supplemented by additional tools to be obtained from the following sources :—

Royal Engineer Units

(a) *Railway and Anti-Aircraft Searchlight Companies*

Additional tools as considered necessary will be issued from stocks held by the C.R.Es. at Aldershot and Longmoor.

(b) *Fortress Companies and 58th (Porton) Company*

Additional tools, as detailed in **Appendix 39**, Table 1, will be temporarily issued from stock in R.E. or R.A.O.C. general charge, or from the approved reserve held at the station for local defence scheme. (See para. 351.)

Infantry Battalions

When mobilization equipment is held at the station by or for the unit, pickaxes, billhooks and shovels may be issued from that equipment as directed in E.R., Part 2, Section I.

When mobilization equipment is not held at the station these tools may be issued from R.A.O.C. general stock, or from the approved reserve held at the station for local defence scheme. The numbers issued will not exceed those laid down as the war equipment of units.

Any tools other than those mentioned above would have to be improvised on active service, and should therefore be improvised for instructional purposes during peace.

Attention is directed to para. 351.

(2).—STORES FOR BRIDGING, MINING, AND RAILWAY PURPOSES

Details of the sets of stores allowed for these purposes are contained in **Appendix 39**, Tables 2 and 3.

The number of sets allowed includes sufficient to admit of instruction being imparted to units of the Territorial Army.

The number of sets allowed for each command will be as follows :—

Commands and Districts.	Bridging sets.	Railway sets.	Mining sets.
Aldershot Command	7	2	2
Eastern " " " " " "	5	3	4
London District	2	1	1
Northern Ireland District ...	1	—	2
Northern Command	4	3	3
Scottish " " " " " "	7 (a)	3	3
Southern " " " " " "	7	4	3
Western Command (including Southern Ireland)	7 (b)	—	2
China	2	1	—
Egypt	7 (c)	1	2
Gibraltar	1	1	1
Malta	1	1	1
Mauritius	$\frac{1}{2}$ (d)	—	—

(a) 1 set without assault bridge material.

(b) 5 complete sets, plus 2 sets of assault bridge material.

(c) 4 with assault bridge material only.

(d) Reduced set, details of which have been communicated by War Office letter to G.O.C.

All bridging spars and ropes should be tested annually in the manner prescribed in **Appendix 45**. A testing and weighing machine is held on R.A.O.C. charge in each command for issue on loan when required.

(3).—EXPENDABLE STORES

Royal Engineer units (Regulars)

Expendable stores (including explosives) may be purchased locally. The annual expenditure for such stores will not exceed the following amounts ; unexpended balances will not be carried forward :—

For each field squadron	£
„ field company	130
„ railway company	80
„ railway company	60

For each other company (including anti-aircraft searchlight companies)—						£
Strength not exceeding 40	...	...	...	...	...	30
„ over 40 and not exceeding 75	...	...	...	...	...	60
„ „ 75	„	„	100	...	...	65
„ „ 100	„	„	125	...	...	70
„ „ 125	„	„	150	...	...	75
„ „ 150	„	„	175	...	...	80
„ „ 175	...	...	...	...	...	85

Arrangements for the purchase of the stores will be made either by the D.A.D.O.S. or by the O.C. the unit on behalf of the D.A.D.O.S., to whom bills (duly certified by the O.C.) will be passed for payment. Bills will be classified to Vote 9c. In cases where no vocabulary rate exists for non-vocabulary explosives demanded, the R.A.O.C. will assess the value.

Should any of the stores required be available in R.A.O.C. charge they will be issued, their value being deducted from the money allowance.

Other units.

The proportions in which annual issues will be made are detailed in **Appendix 39**, Tables 4 and 5.

348. Spars and other suitable timber for bridging or mining purposes, planks, hutting poles, handrails, miners' sheeting and miscellaneous N.I.V. articles, whether for the use of the regular forces or for the instruction of R.E. units of the Militia, the Territorial Army, the Supplementary Reserve or the O.T.C., will be provided either by hire, purchase or issue from Vote 10c stocks.

The annual expenditure in this connection will not exceed the sums notified from time to time in A.C.Is. ; unexpended balances will not be carried forward.

Arrangements for purchases, hirings or issues from Vote 10c stocks will be made under the instructions of the C.R.E. Bills will be classified to Vote 10 C.3 (*viii*).

349. During the period of training, all materials obtained under the authority of para. **348** will be held on charge by the O.C. unit, and, on completion, surpluses will be reported to the C.R.E. and disposed of as directed by him.

The stores for bridging, mining and railway purposes, mentioned in para. **347** (2), will be held on charge by the C.R.E., who will make arrangements for instruction to be imparted with the aid of these stores ; will allot ground and issue the stores in such manner as the G.O.C. may direct ;

and will apply for transport for moving the stores from one station, or unit, to another, as required.

350. Annual indents for the expendable stores allowed by Tables 4 and 5 of **Appendix 39** will be transmitted by units to the D.A.D.O.S. not later than the 1st March.

The whole of the stores will, upon receipt, be brought on equipment ledger charge by the unit; stores purchased by Os.C. R.E. units under para. **347** (3) being brought on charge by certificate receipt voucher. Quantities expended will be written off by expense voucher upon the certificate of the C.O. that the expenditure has actually taken place. Any unexpended balance remaining at the end of the training season may be retained towards meeting the following year's requirements, the quantities in hand being shown on the annual indent submitted to the D.A.D.O.S. Sandbags may be accumulated up to, but not exceeding, treble the quantities allowed as the annual supply.

351. Stores temporarily issued from local reserve under para. **347** should be carefully overhauled immediately upon the conclusion of each season's peace training, and replaced in that reserve, any which have become unserviceable being at once exchanged.

All used articles returned for storage with local reserves must be thoroughly cleaned by the unit by which they have been used for peace instruction, the cutting edges of tools must be placed in good condition, and all metal articles or metal portions of articles greased.

Tools forming part of the local reserve are not on any account to be used for general purposes in peace. Picks and shovels required for general barrack use will be drawn and held on inventory; when required for general use in camp they should be indented for with other camp equipment.

CHAPTER XIV.—TOOLS FOR ARMOURERS, ARTIFICERS, WORKSHOPS, AND VOCATIONAL TRAINING

A.—ARMOURERS' AND ARTIFICERS' TOOLS

352. Armourers' boxes with the tools and materials detailed in **Appendix 6** will be supplied to units to which armourers are attached and will be held on equipment ledger charge.

When worn out by fair wear and tear, or expended in the repair of service arms and bicycles, they will be replaced at the expense of the public.

353. Should an armourer require, for service purposes, tools not included in the set referred to in para. **352**, he will, as far as possible, make or improvise them.

Material for such small services will usually be available in regimental workshops, but failing that source of supply, an indent for the necessary material, accompanied by an explanation of the circumstances under which it is required, will be submitted to the R.A.O.C.

Should the work in hand necessitate the employment of special tools which, having regard to the expense involved and the quantity of work to be performed, it is not desirable to make or improvise regimentally, such tools will be obtained on loan from the R.A.O.C.

354. During peace, additional tools, as detailed in **Appendix 6**, Table 5, may be obtained on loan from the R.A.O.C. when required for the use of armourers of cavalry regiments and infantry battalions at home.

When units are stationed at a distance from an ordnance depot, the tools may be held on permanent equipment ledger charge on the authority of the G.O.C. On change of station the tools will be returned to R.A.O.C. unless the G.O.C. approves of their being handed over to the relieving unit.

355. Os.C. units are responsible that the gauges supplied for the use of armourers attached to units are verified by the R.A.O.C. annually, or oftener if the armourer is doubtful as to their accuracy, with the reference gauges held at ordnance depots where armourers' shops are established.

The gauges of circuit armourers will be similarly verified.

356. The tools of unit armourers will be inspected periodically by A.I.As. (see **Appendix 14**).

357. Instructions for packing armourers' tools and spare parts of small arms, to be carried out by units on embarkation for distant stations abroad, are printed in the Instructions for Armourers. These directions do not apply to troops proceeding to the Mediterranean, West Indies, or Bermuda.

358. At home stations, one set of tools for the repair of bicycles, as detailed in **Appendix 6**, Table 4, will be issued during peace for the use of armourers of cavalry regiments and infantry battalions.

In the case of other units which have a minimum of six bicycles to be kept in repair, one set of tools will also be issued during peace for the use of military tradesmen or artificers capable of using them; or in the absence of such men, for the use of soldiers on the strength of the unit who are in possession of the certificate referred to in para. 461 or have passed a qualifying trade test.

On mobilization being ordered, these tools will be placed in the "Bag, armourers', bicycle" which is stored with mobilization equipments. For the contents of the bag, see **Appendix 7**, Table 1.

Units having a minimum of six bicycles in the war establishment will be allowed bags, armourers', bicycle, and sets of tools for the repair of bicycles, on the following scale :—

- 1 bag and 1 set of tools for 6 to 23 bicycles.
- 2 bags and 2 sets of tools for 24 to 40 bicycles.
- 3 bags and 3 sets of tools for over 40 bicycles.

359. Tools supplied for the use of armourers and artificers are not to be employed for private purposes.

360. Lists of general service tools are detailed in **Appendix** to Section F, Vocabulary of Army Ordnance stores.

For the scale of issues of forges and farriers' tools, see Chapter X.

Tools special to artillery, engineers, and other services are detailed in the various sections of E.R., Part 2.

361. A set of pioneer equipment is issued for each household cavalry regiment and for each squadron of cavalry of the line. The detail of a set is shown in E.R., Part 2, Section II.

B.—TOOLS FOR MILITARY WORKSHOPS AND VOCATIONAL TRAINING

362. Tools for pioneer workshops will be provided and maintained at the unit's expense out of workshop funds (see King's Regulations).

363. Tools for vocational training centres will be provided and maintained under arrangements notified annually by the War Office to the centres.

364. In addition to the tools issued under para. 363, sets of tools may be supplied to units shown in the table below, at the public expense, under the special sanction of the G.O.C. in each case, and subject to the following conditions :—

- (a) That there are qualified tradesmen to use them.
- (b) That they remain in charge of the unit to which they are issued, and are only returned to store on the authority of the G.O.C. : and on the understanding that the unit so returning them will be charged with the difference between their original cost and actual value at the time of their receipt into store.
- (c) That they be kept in order, repaired, replaced when lost or worn out by use, at the cost of the unit.
- (d) That articles worn out or lost are paid for at full vocabulary rates, a reference to credit being made on the indent for their replacement.

	Batteries of Horse, Field, Light, Medium or Heavy* Artillery.	Regiments of Household Cavalry or Cavalry of the Line.	Battalions of Infantry.	R.A. (Coast Defences).	R.T.C. Battalions.
Bags, tool, filled—					
Bricklayers' and masons'	—	1	1	—	—
Chests, tool, filled—					
Carpenters'	1	—	—	—	—
Wheelers'	—	1 †	1 †	2 ‡	—
Painter and glazier ...	—	1	1	—	1
Plumber and gasfitter	—	1	1	—	—
Blacksmiths'	—	1	1	1 ‡	1

* Heavy batteries of the 1st Heavy Brigade, R.A. only.

† A grindstone, field service, for use with this chest will be separately indented for, charged, and accounted for.

‡ For each coast defence command at home, or station abroad ; but other chests or increased supplies of above, may, under special circumstances, be authorized for instruction, on the approval of the War Office.

365. C.Os. will direct an inspection of the tools issued under para. **364** to be made quarterly, and will certify in the ledgers in which they are brought on charge that this service has been performed.

366. Tools issued to the R.A. (Coast Defences) under para. **364** will be accounted for by a H.Q. and D.E. or heavy battery to be detailed :—

At Home. By the O.C. R.A. in the coast defence command.

Abroad. By the O.C. R.A. at the station.

367. Tools for trades will not be allowed under para. **364** to Guards and Rifle depots.

CHAPTER XV.—EDUCATIONAL STORES

368. Drawing instruments for educational purposes will be allowed for units in the following proportions :—

(a) Command headquarters, for every 500 other ranks, exclusive of those referred to at (b) to (j) and establishments dealt with under controlled store expenditure regulations	...	set	1
(b) School of Education, Shorncliffe	...	„	4
(c) Cavalry regiment	...	„	1
(d) R.A. brigade	...	„	1
(e) Infantry battalion	...	„	1
(f) R.T.C. battalion	...	„	1
(g) R.T.C. Central School	...	„	1
(h) Guards Depot	...	„	2
Rifle Depot	...	„	1
Infantry Depot	...	„	$\frac{1}{2}$
(i) South Irish Coast Defences	...	„	1
(j) R.A.O.C. School of Instruction, Hilsea	...	„	2
(k) Training battalion, Royal Engineers	...	„	1

The composition of a set of drawing instruments is as follows :—

Boards, drawing, instructional	...	...	5
Compasses, drawing, instructional, Mk. III (or II)	...	...	50
Dividers, instructional	...	...	25
Protractors—			
Rectangular, 6-in., wood, instructional	...	...	50
Semicircular, 6-in. (i)	...	...	10
Scales, math., No. 23 (ii)	...	...	25
Set-squares, celluloid—			
6-in., 45° (iii)	...	...	10
8-in., 60°, instructional	...	...	10
Set-squares, instructional—			
4-in., 45°	...	...	50
5-in., 60°	...	...	50
T-squares, 24-in., instructional	...	...	5

(i) Protractors, semicircular, 6-in., instructional, will be issued until stocks are exhausted.

(ii) Until stocks are exhausted, “Rules, wood, 12-in., instructional,” or “Scales, math., 12-in., instructional,” will be issued in lieu.

(iii) Until stocks are exhausted, “Set-squares, celluloid, 6-in., 45° instructional,” will be issued in lieu.

369. Compasses, magnetic, pocket, Mark VI, for the use of candidates studying for 2nd-class certificates of education, will be allowed for units in the following proportions :—

(a) Command headquarters, for every 500 other ranks, exclusive of those referred to at (b) to (d)	24
(b) R.A. brigade... ..	16
(c) Infantry battalion	4
(d) R.T.C. battalion	3

Magnetic compasses already authorized as regimental equipment for cavalry, infantry, and R.T.C. battalions will, as far as possible, also be made available for this purpose.

Three compasses, prismatic, Mark VIII, will also be allowed for the Guards Depot for this purpose.

370. Additional drawing instruments for educational purposes will be allowed for the R.T.C. Centre as follows :—

Compasses , drawing, instructional, Mk. III (or II)	100
Scales , math., No. 23 (a)	100
Set-squares , instructional—	
4-in., 45°	60
5-in., 60°	60

371. Drawing instruments for educational purposes will be allowed for the Depot Battalion, R.E., on the following scale :—

Boards , drawing, instructional	30
Compasses , drawing, instructional, Mk. III (or II)	85
Dividers , instructional	35
Protractors , rectangular, 6-in., wood, instructional	35
Protractors , semicircular, celluloid, 6-in. (b) ...	50
Scales , math., No. 23 (c)	85
Set-squares , celluloid—	
6-in., 45° instructional (or 6-in., 45°)	50
8-in., 60° instructional	50
Set-squares , instructional—	
4-in., 45°	35
5-in., 60°	35
T-squares , 24-in., instructional	30

(a) Until stocks are exhausted, "Rules, wood, 12-in., instructional," or "Scales, math., 12-in., instructional," will be issued in lieu.

(b) Until stocks are exhausted Protractors, semicircular, celluloid, 6-in., instructional, will be issued in lieu.

(c) Until stocks are exhausted, "Rules, wood, 12-in., instructional," or "Scales, math., 12-in., instructional," will be issued in lieu.

CHAPTER XVI.—MISCELLANEOUS STORES

372. Pace sticks, ropes for drill, saluting flags, regimental camp colours, letter-bags, metronomes with stands, cleaning materials for offices, and other miscellaneous stores, will be provided out of the allowance for miscellaneous stores granted by the Allowance Regulations.

373. Sticks, bayonet fighting (ash or bamboo sticks), for instruction in the use of bayonet and sword, will be provided locally by the R.A.O.C. The following sums are allocated annually to commands, stations, etc., for this service :—

Commands at Home

Aldershot...	...	...	...	...	£ 35
Eastern ...	}	...	...	...	35
London District					
Northern ...	...	...	...	...	30
Scottish ...	...	...	...	...	20
Southern ...	...	...	...	...	35
Western ...	...	...	...	...	10

Districts at Home

Jersey ...	...	...	...	...	3
Guernsey and Alderney	...	...	...	...	3
Northern Ireland	...	...	...	...	10

Stations, etc., Abroad

Bermuda ...	...	...	...	...	3
Ceylon ...	...	...	...	...	3
China ...	...	...	...	...	10
Egypt ...	...	...	...	...	15*
Gibraltar ...	...	...	...	...	8*
Jamaica ...	...	...	...	...	5
Malaya ...	...	...	...	...	5
Malta ...	...	...	...	...	10
Mauritius...	...	...	...	...	3

Bills will be classified to Vote 9.C.

* Purchase of sticks within this amount will be arranged by D.D.O.S. upon receipt of demand.

374. Drawing instruments, as detailed in **Appendix 35**, will be supplied for use in offices in which a General Staff assistant is employed.

375. A blackboard and easel complete, for instruction of N.C.Os. and men of the R.A.M.C. in various technical subjects, will be issued to the headquarters of companies (except to A and B companies), and to the under-mentioned detachments at home and abroad—

<i>Home</i>		<i>Abroad</i>
Catterick	Tientsin	... North China
Lichfield	Ismailia	} ... Egypt
Holywood	Ras-el-tin	
Wool	Khartoum	... Sudan

Renovator for blackboards (Section H.1) will be indented for as necessary.

376. Instructions for the issue of material for camouflage training are contained in **Appendix 38**.

In order to ensure that the stores drawn are used to the best advantage, arrangements should be made for pooling by brigades, etc., as may be found convenient.

377. Old woollen or old linen material required for cleaning purposes, in addition to the free issues authorized by regulation, may be obtained from the R.A.O.C. on payment, when the quantities required can be spared from local stock. The rates to be charged will be those notified in the half-yearly statements issued by the D.D.O.S. The cost of transport must be borne by the purchasing unit.

378. Boxes, clothing, will be issued, in the proportions laid down in **Appendix 40**, for the purpose of storing certain articles of clothing, etc., as directed in Clothing Regulations, Part I, 1926, Appendix V, para. 4. The boxes will be returned to store prior to departure of the unit overseas.

379. One foot of wick will be issued by the R.A.O.C. with each oil-burning lamp or lantern, except those issued to R.A.S.C. for barrack services and for those issued to complete mobilization equipments.

380. Illuminants and wick for issue on mobilization for use with lamps, etc., in war equipments of units, will be on the scale authorized in **Appendix 43**. They will not be held with mobilization equipments during peace, but will be obtained from the R.A.S.C. on mobilization.

381. Unserviceable ground sheets may be issued to every unit, up to 10 per cent. of its peace strength, for use during

wet weather by fatigue and working parties. The sheets will be held separately on equipment ledger charge.

382. (1) Machines, or hand-clippers, for clipping animals will be allowed in the following proportions:—

Clippers, horse	...	...	For units with an establishment of 14 animals or less— 1 for every 8 animals or less.
Clippers, horse, hogging	...	...	For units with an establishment of 15 animals or more— 1 for every 50 animals or less.
Machines, horse-clipping (a)	1	for 15 animals or over up to 100, plus 1 machine for every additional 100 animals or less.	
Knife heads—			
Plates, top (spare)			3 for each machine.
„ bottom (spare)	...	...	3 for each machine.
Links, chain	...	...	4 for each machine.
Lamps, singeing	...	...	1 for every 50 animals or less.
Wicks (spare)	...	...	1 for each lamp.
Oil, M.80, pints	...	...	1 for each horse-clipping machine per annum.
Grease, M.T. (b) lbs.	...	...	2 for each horse-clipping machine per annum.
Petrol (b)	...	...	Not exceeding 3 pints for each singeing lamp per annum. (If petrol is not available, paraffin will be issued in lieu; the lamp is capable of burning either.)

(2) Care should be taken to remove as much dirt as possible from the coats of animals prior to using either machines or hand-clippers, otherwise the knives are speedily blunted and rendered useless.

Frequent lubrication of the clipping heads and chains of the machines when in use is vital to easy working and efficient cutting.

Whilst the machine is running, the front edge of the clipping head must be dipped in oil, rangoon, for preference, every few

(a) Where electric clipping machines are installed, they will be replaced, when worn out, by hand-clipping machines.

(b) R.A.S.C. supply.

minutes. Absence of proper lubrication not only makes the machine run hard, but sets up undesirable friction between top and bottom plates of the clipping head, destroys the temper of the plates, and renders them prematurely unserviceable.

The same destructive effect is produced if the tension nut is screwed down too hard ; on the other hand, if the nut is too slack, hair will work its way between the knives and cause them to pull or drag ; the tension should be just sufficient to admit of the hair being cut.

The knives are "dead hard" ; they are consequently brittle, and will easily break. After clipping, the knives must be wiped dry and smeared over with oil, or the teeth will become rusty and require sharpening.

(3) After each animal has been clipped, the chain must be removed from the flexible shaft and well smeared with grease all over. The presence of grease on the upper end of the chain is not sufficient ; it is at the lower end, where curved and bent, that grease is most required.

Liquid lubricants must not be used for the chain ; paraffin oil must not be used on any part of the machines.

(4) It is important that units should always be in possession of serviceable knives for the horse-clipping machines. Steps should be taken by units to forward immediately to the R.A.O.C. any knives which require regrinding.

(5) Machine clippers must not be employed for the purpose of keeping down hogged manes.

Instructions for setting up and operating the horse-clipping machines are issued with the machines. Care should be taken to ensure that these instructions are rigidly observed.

383. Horsekillers and ammunition for use in training and in standing practice camps, etc., will normally be obtained on loan from veterinary hospitals and pharmacies.

When these stores cannot be spared from authorized scales in veterinary hospitals and pharmacies, additional stores may be drawn from R.A.O.C. on the authority of the G.O.C.

They will be returned when no longer required.

384. Slings, horse, sea transport, for the instruction of troops in slinging horses for embarkation, will be held on charge at military stations or commands as follows :—

The distribution of these slings within their commands will be left to G.Os.C.

Stations or commands.	No. of slings.
Aldershot Command	21
Eastern "	20
London District	10
Northern Ireland District	28
Northern Command	8
Scottish "	6
Southern "	46
Western "	2
Bermuda	2
Ceylon	2
China	7
Egypt	10
Gibraltar	2
Jamaica	4
Malaya	2
Malta	3
Mauritius	6

385. Consumable stores for veterinary purposes will be issued in accordance with the table below, on the indent of the veterinary officer, countersigned by the administrative veterinary officer concerned. The issue voucher upon which they are charged will be signed by the veterinary officer only.

Description.	Money value limit to which stores may be drawn annually for every 100 public riding or draught animals.						
<i>Section D.1.</i>							
Bandages, horse	} <table><tr><td>£</td><td>s.</td><td>d.</td></tr><tr><td>5</td><td>0</td><td>0</td></tr></table>	£	s.	d.	5	0	0
£		s.	d.				
5		0	0				
Rubbers, horse							
<i>Section H.1.</i>							
Corks, assorted							
Soap, carbolic							
,, soft, grade II							
,, yellow							
Soda, Ash							
<i>Section H.2.</i>							
Linen, unbleached							
Sacking, jute, 30-in.							
Tow, jute							
Twine, packing, small							
<i>Old Stores.</i>							
Flannel, old (for fomentations)							
Numnahs, old (for foot swabs)							
<i>H.M.S.O. supply.</i>							
Paper, brown, common (for packing)							
,, white, fine (for balls)							
Pins, mixed							

SOAP

386. An initial issue of one piece of soap will be made by the R.A.O.C. to every soldier entitled to a free kit of necessities under the Clothing Regulations, and will be kept up in peace at his own expense as part of his kit.

Soap supplied by the R.A.O.C. for the personal use of soldiers will be accounted for in the regimental equipment ledger.

387. For war, soap will be supplied free to officers, warrant officers, N.C.Os. and men as required ; one 3-oz. piece will be carried by each man.

388. Supplies required for use on board ship will be provided regimentally, and will be paid for out of the advance of pay.

389. Issues on payment of service pattern soaps may be made at the published rates to officers, warrant officers, N.C.Os. and men for the use of themselves and their families. The soap will be written off charge in the equipment account on A.F. P 1925, which will be enfaced by the paymaster with a reference to the account in which credit has been given for recoveries made from the individuals. Separate A.Fs. P 1925 will be prepared for (a) issues to officers and their families, and (b) issues to soldiers and their families. The amounts recoverable from soldiers will be credited to the public at form 3 of the company account, supported by A.F. P 1963.

Soap may also be supplied on payment at the published rates to units and military establishments, credit being given on A.F. P 1925.

CHIROPODY INSTRUMENTS

390. Chiropody instruments are a medical supply and are issued on the scale of one case of instruments to each dis-mounted unit with a qualified chiropodist. They will be in-dented for on A.F. G 997, rendered in duplicate, to the War Office (A.M.D. 3) through the D.D.M.S., A.D.M.S., or S.M.O. of the command, and will be held on equipment ledger charge by the unit concerned.

The instruments will be inspected annually on 1st January by a medical officer appointed by the D.D.M.S., A.D.M.S., or S.M.O. of the command.

Replacements of stores lost or rendered unserviceable will be dealt with in accordance with the general procedure laid down in paras. **105** to **107**, with the exception that demands for replacements will be sent to the War Office (A.M.D. 3).

All repairs will be dealt with in accordance with Regulations for the Medical Services of the Army.

PONTOONS—CARE AND MAINTENANCE

391. Instructions for the care and maintenance of pontoons are detailed in E.R., Part 2, Section XA, 1929.

DEFENCE ELECTRIC LIGHTS AND A.A. SEARCH-LIGHTS ABROAD—STORES FOR. GLASS REFLECTORS—PRECAUTIONS FOR PRESERVATION OF

392. Stores for the upkeep of defence electric projectors, lamps, instruments, switchboard and lamp connection conductors, may be drawn by C.R.Es. (or C.Es.) in each financial year from the R.A.O.C. up to the following financial limits, for each light maintained for training :—

	£	s.	d.
Consumable stores	5	0	0
Spare parts of equipment	30	0	0

Lights laid up for care and maintenance will not be included in calculating the total amount which may be drawn.

Exceptional cases, where larger replacements of equipment may have become necessary, will be referred to the War Office for approval by 1st October annually, so that the necessary funds may be taken up when preparing estimates.

393. The provisions of para. 392 will also apply to Defence Anti-Aircraft searchlights at stations abroad.

394. The provisions of para. 392 do not apply to Defence Electric Light Engines, Generators, and Main Power Cables which are a R.E. supply.

395. The precautions to be adopted for the preservation of glass reflectors in A.A. Searchlight projectors from copper drip are as detailed in E.R., Part 2, Section XA, 1929.

PHOTOGRAPHS OF ARTILLERY STORES AND TEXT-BOOKS

396. A supply of photographs of selected artillery stores will be made as required to the Artillery Schools of Instruction and Military College of Science, for instructional purposes. Indents stating particulars of the photographs required should be submitted to the C.I.A., Woolwich, in the first instance.

397. Handbooks will be issued as laid down in E.R., Part 2, Sections XI and XII.

CINEMATOGRAH STORES, OPTICAL LANTERNS AND SLIDES AND PHOTOGRAPHIC STORES

398. Cinematograph stores, optical lanterns and slides and photographic stores are supplied by the R.A.O.C.

Optical lanterns are authorized to be held by commands as detailed in **Appendix 33**, and an allowance for their maintenance will be notified in A.C.Is. from time to time.

Instructions for their manipulation are contained in **Appendix 34**.

INFLAMMABLE AND OTHER DANGEROUS STORES —STORAGE AND CONVEYANCE

399. Instructions for the storage and conveyance of inflammable and other dangerous stores, and for the marking of packages and documents connected therewith, are contained in **Appendix 44**.

CHAPTER XVII.—REPAIR AND PRESERVATION OF EQUIPMENT

A.—GENERAL INSTRUCTIONS

400. On completion of the annual training, C.Os. will cause a special examination to be made of all equipment with a view to any article requiring repair being put in a serviceable condition at the earliest possible moment. Particular attention will be given to signalling, field telephone, machine gun, and reconnaissance equipment, to respirators and to vehicles.

401. C.Os. will not allow or pay for the performance of any work in connection with repair, authorized conversion or overhaul of equipment for which there is no regulated provision, without previous authority being obtained, at home from the War Office, and at stations abroad from the G.O.C.

402. Except when otherwise specified in these regulations, the repair and painting of all stores that can be performed by the military tradesmen will be executed by them, under the superintendence of their C.O., free of charge. The necessary tools and materials will be supplied by the public, or out of a money allowance granted for their purchase. This paragraph is no authority for the issue of components, etc., not in authorized scales (*see* para. 27).

403. The allowances of materials for painting vehicles, etc., are laid down in—

E.R., Part 2, Section XA, for R.E. units.

E.R., Part 2, Sections XI and XII, for R.A. units.

E.R., Part 2, Section XIII A, for R. Signals units.

Appendix 28 for other regular units.

The rates and conditions of issue of working pay, when admissible, are laid down in the Pay Warrant.

The vehicles in possession of Foot Guards and R.A.S.C. companies stationed in London may be painted half-yearly. In the case of other units, if vehicles require painting more than once a year the authority of the G.O.C. must be obtained for the issue of materials.

The repainting of vehicles, etc., should be limited to patching and one coat of paint.

404. The services of the military tradesmen will, when the duties of their own unit permit, and at the discretion of the

G.O.C., be made generally available for performing any work which they may be called upon to execute within the limits of their trades, and during working hours, for other units or detachments unprovided with military tradesmen, or requiring additional assistance in exceptional circumstances.

405. When repairs cannot be executed by the military tradesmen at the disposal of a unit, an indent on A.F. G 1045 will be rendered in triplicate to the D.A.D.O.S., who will arrange for the performance of the work. This course need not be followed in the case of accoutrements (*see* para. 475).

The entries on each indent (A.F. G 1045) will be limited to the number of jobs which can be included on one sheet, and a separate indent will be rendered for each "A" or "B" vehicle.

When articles sent in for repair are of such a nature that their temporary withdrawal would be detrimental to the training of the unit, a note will be made in red ink on the repair indent to the effect that the stores are required for training; the actual date they are required will invariably be stated.

No repair indent will be marked urgent without a full explanation of the urgency being given in the column of remarks.

406. Stores requiring modification in R.A.O.C. workshops will not be sent to R.A.O.C. depots until called in by the D.A.D.O.S. of the area.

407. In the event of undue delay in the return of equipment sent to Government factories for repair a special report should be made by the G.O.C., to the War Office, on the subject.

408. Whenever any service in connection with gun mountings, machinery, engines or gear used exclusively by the R.A. and R.A.O.C. is beyond the resources of the corps concerned, application should be made to the R.E. for assistance.

409. Whenever repairs, painting or other services, involving the grant of working pay or payments to contractors, are required in connection with the equipments of a unit, an indent, on A.F. G 1045 in triplicate, accompanied by a certificate that the work cannot be performed by soldiers who are already paid as military tradesmen, will be made by the C.O. on the D.A.D.O.S. The nature of the work to be performed will be stated, and the cost at which it could be carried out by troops receiving the authorized rates of working pay or by local contract.

The officer making the repair indent will then be informed of the manner in which the service should be performed; and

if it be decided to employ soldiers who are not already paid as military tradesmen, he will, on the completion of the service, certify on the original repair indent that the work has been efficiently carried out. The original repair indent so certified will then be attached to the working pay list as a voucher in support of payment.

410. Materials supplied for the repair and preservation of equipment will not be sold, or exchanged, or used for any equipments but those for which they were demanded. In the absence of specific War Office or other special authority, no purchase of materials by C.Os. will be sanctioned by G.O.C., except in special cases which should be reported for covering approval.

411. In order to regulate the expenditure of material for repair and of consumable articles, A.Bs. 43, 281 and 282 (or 283), will be carefully kept by the units concerned, the ledgers being balanced yearly, on the last day of February.

Stock will be taken every six months by an officer deputed by the C.O., and compared with the quantity received and the amount expended. The result will be reported to the C.O., who, if satisfied, will sign the store and shop books. Any deficiencies will be charged against the individuals responsible and recovered on A.F. P 1963.

The above-mentioned books, also A.F. G 3927 so far as R.A.O.C. stores used in repair of M.T. vehicles are concerned, will be examined once in two years by the D.A.D.O.S. of the area, or by officers deputed by him to act on his behalf, not with a view to making a detailed audit, but with a view to determining whether the regulations have been properly carried out.

The regimental storekeeper will examine A.B. 281 weekly, and satisfy himself that the materials have been expended in work on the public service.

When units proceed to India, A.B. 282 or 283 will be balanced and forwarded to the D.A.D.O.S.

These instructions do not apply to the R.A.S.C. M.T. establishments, Feltham, for which a special system of accounting has been approved.

412. Materials supplied for purposes of repair will not, except under special authority, be used for the manufacture of new articles.

413. On indents for materials for repairing equipment, C.Os. will certify that credit has been given therein for any material remaining on hand, and that the quantities demanded, together with those on hand, do not exceed the authorized proportion.

B.—ORDNANCE ARTILLERY CARRIAGES, AMMUNITION WAGONS, ETC.

414. The following parts of ordnance and their carriages, ammunition wagons and limbers, and other vehicles, when in use, will be kept clean, free from paint and rust, also lubricated or oiled where necessary :—

Breech mechanisms ; clinometer planes ; guides of guns, howitzers, and slippers ; cradle guideways ; joints and bearings ; exposed working parts of gears ; frictional surfaces ; metal handwheels ; handles of steel handwheels ; levers, pawls, ratchets ; range, elevation and traversing indicators with their pointers ; brass parts which are much handled ; ends of draught poles ; lynch pins and ends of axletrees not provided with dust caps ; drag washers ; brake wheels.

All other parts will be painted, except that, in the case of ordnance—other than those of fixed armaments in coast defences and those with front clinometer planes—the portion protected by the muzzle cover need not be painted. Should the paint become chipped or worn off it must be renewed.

The use of coarse abrasive materials, such as sand, emery or bathbrick, for cleaning or removing rust from clinometer planes and wearing parts, particularly of gears and breech mechanisms, is strictly prohibited. For such parts, paraffin oil and cotton-waste only may be used.

Where the cleaning of bright parts of gears and breech fittings (other than wearing parts) proves difficult owing to corrosion or rust, finest grade emery may be used for this purpose.

Straps and other leather work should be periodically dressed with dubbing.

415. In order to keep O.M.Es. informed of the condition of armaments and of the repairs thereto carried out by R.A. artificers, a copy of the entries in A.B. 281, made by the senior R.A. artificer (fitter), will be forwarded each week to the D.A.D.O.S. of the area or district, by the O.C. battery, sub-district, or brigade (in the case of brigade artificers), who will note on the return any matter of importance concerning equipments to which it is considered that the attention of the O.M.E. should be drawn.

The rendering of this report in no way relieves Os.C. batteries from being responsible for the condition of their equipments.

C.—VEHICLES “A” AND “B” (MECHANICAL)**416. (1) MAINTENANCE AND REPAIRS.**

(a) The maintenance in running order of the above-mentioned vehicles on charge of units by the replacement of damaged parts and the carrying out of such adjustments and repairs as can be effected by means of the tool equipment supplied with the vehicle, or in possession of the unit, is the function of the unit, but no adjustments or repairs must be undertaken by units which are, in the opinion of the O.M.E., beyond the capacity of the personnel and of the tools available. The O.M.E. will indicate the type and kind of work which may be undertaken. The primary function of the unit is the routine maintenance of its vehicles.

(b) All other repairs and adjustments, and the reconditioning of parts exchanged under (a) above, will be carried out by the R.A.O.C. When repairs, etc., are carried out in R.A.O.C. workshops, the vehicle crew will be made available to assist the workshop staff in carrying out the work.

(c) Any breakdown or defect in vehicles still under guarantee will be notified by the O.C. unit to the D.A.D.O.S. of the area, who will forward the report direct to the C.I.A., Royal Arsenal, Woolwich (C.I.R.E.S., Woolwich, in the case of P.E. lorries) for necessary action, a copy of the report being forwarded to command headquarters.

(2) INSPECTIONS. (See Appendix 50.)

(a) Os.C. units will arrange for such periodical inspections by company, etc., officers as may be necessary to ensure compliance with sub-para. (a) of (1) MAINTENANCE AND REPAIRS above. For these inspections A.F. G 810 will be used in conjunction with A.F. G 3128.

(b) The O.M.E. of the area will arrange for inspections of “A” and “B” vehicles as follows:—

At least half-yearly in the unit's lines, a report of which will be entered on the appropriate army form and passed to the O.C. unit to note for necessary action. The report will be filed in the vehicle log sheet file (A.B. 5); O.M.E.'s inspections of “A” and “B” vehicles will be arranged to take place midway between the C.I.A. inspections referred to in sub-para. (c) below.

Opportunity should be taken by the O.M.E. to carry out a more detailed inspection of each vehicle when the vehicle is ordered into the ordnance workshops for repairs or modifications.

Reports of these more detailed inspections will be pre-

pared in quadruplicate on A.F. G 843 or G 844 for wheeled vehicles, A.F. G 856 for semi-tracked vehicles, and on A.F. G 857 for tracked vehicles, and distributed as follows:—

- (i) One copy to the O.C. unit, who will file it (after noting and taking any necessary action) with the records of the vehicle.
- (ii) One copy to the D.A.D.O.S. who will treat it as authority for issue of stores in replacement of assemblies, components, etc., found defective, or any other action necessary.
- (iii) One copy to the C.O.M.E. of the command, who will investigate any points requiring special attention before forwarding the report, with his covering remarks, through the usual channels, to the Under Secretary of State (M.G.O. 10), The War Office.
- (iv) One copy to be retained by the inspecting O.M.E. as an office record.

When an uncommon defect comes to notice, the O.M.E. will prepare a special report which, together with his suggestion for its rectification or modification in design, will be forwarded as early as possible to the C.O.M.E. of the command for action, as may be considered necessary. An officer of the unit and the vehicle crew will attend all inspections when carried out in unit lines, whether carried out by the C.I.A.'s staff, by the O.M.E., or by the staff of the C.I.R.E.S. in the case of P.E. lorries.

- (c) Headquarters inspection will be carried out as follows:—
- | | |
|-------------------------------|-----------------------------------|
| "A" and "B" vehicles | Half-yearly by the staff of the |
| (except P.E. Lorries). | C.I.A. |
| P.E. Lorries | Yearly by the staff of the |
| | C.I.R.E.S. |

Chief inspectors will notify units as to the date of their representatives' inspection, and will at the same time notify command headquarters, who will make arrangements for the O.M.E. to be present. In the case of "B" vehicles, the C.I.A. will notify commands of the months selected for his inspection and command headquarters will arrange a programme.

417. The C.O.M.E. should investigate all unusual defects and his report should embody definite opinions as to whether such defects are attributable to:—

- (a) faulty design ;
- (b) unsuitable or defective materials ;
- (c) faulty manufacture ;
- (d) mishandling or neglect.

In the latter case he will initiate action under para. 90.

D.—SMALL ARMS, MACHINE GUNS AND BICYCLES

I. GENERAL

418. Repairs to small arms, machine guns, mountings and bicycles will be carried out by qualified armourers with units, circuit armourers, and in suitably equipped R.A.O.C. workshops.

No work will be put in hand if the small arm, etc., has not been examined recently with gauges, unless all the necessary gauges are available.

No work will be undertaken which in itself requires the use of gauges unless the gauges are available.

In accordance with the above general rules the repairs detailed in **Appendix 15** will not be undertaken in R.A.O.C. workshops, or by armourers with units, or by circuit armourers.

Repairs excluded by the general rules, not specified in this appendix, will not be undertaken without reference to the C.I.S.A.

At home stations, in cases of doubt, small arms, machine guns, etc., can be submitted to the travelling examiners of the Inspection Department by special arrangement with the C.I.S.A.

419. The arrangement for inspection and repair of small arms, machine guns, mountings and bicycles in the case of units not provided with an armourer (*see Appendix 14*) does not relieve C.Os. from responsibility for their care and repair.

Should repairs be required between the periodical inspections, the C.O. will apply to the D.A.D.O.S. who will arrange for the execution of the repairs, either by detailing an armourer to visit the unit or by having the damaged small arms, machine guns, mountings or bicycles sent into the ordnance depot for repair, whichever course may be most convenient and economical.

Arrangements will be made by C.Os. for general supervision of the work of the armourers to ensure that it is properly carried out.

420. Should a C.O. doubt whether small arms or machine guns of any description under his charge are serviceable, he will report the matter, stating the reasons for his opinion; the question will be dealt with by the G.O.C., the C.I.S.A. being referred to.

421. When damaged small arms, machine guns, mountings, bicycles, or components are ordered to be sent for special examination, labels stating the circumstances will be attached

to them, giving a reference to the War Office or other orders under which they are sent. A copy of the proceedings of any board or court of inquiry which may have been held regarding them will accompany the vouchers.

422. When materials are required for the repair of small arms and machine guns, the O.C. a squadron or company will certify to the repair being required, and upon such certificate the issue will be made by the quartermaster. The O.C. will subsequently satisfy himself that the repairs have been executed.

423. Exposed steel surfaces of small arms of all natures (except bayonets in mobilization store—*see* para. 242) and steel small arm parts, unpainted iron or steel surfaces of machine guns and their spare parts and tools, will, whilst in store and when packed for transmission other than for abroad, be covered with a thin coating of the mixture consisting of equal parts of red mineral jelly and oil, M.80.

It is important that a thick coating be not applied as the mixture is not easy to remove.

When packed for shipment abroad, red mineral jelly will be used and freely applied.

In cold weather the mixture or mineral jelly will be heated until it becomes liquid.

The bores of barrels of rifles, pistols and machine guns will be similarly treated with liquid mixture or red mineral jelly. The chambers of barrels and cylinders of pistols will be coated with cold mixture or red mineral jelly.

The exterior of barrels will also be coated with red mineral jelly, in a cooler condition.

For method of applying the preservative, *see* **Appendix 51**.

424. Fabric materials, such as linen, cotton (including flannelette, etc.), or woollen rag, must not be employed as a direct wrapping for small arms, machine guns or mountings, or for plugging the ends of steel parts, such as barrels, etc., owing to their tendency to absorb moisture from the atmosphere, and so cause the formation of rust. The use of brown paper as a direct wrapping is forbidden as this also is liable to rust the metal.

425. Testing weapons of any kind in charge of troops is strictly forbidden. This does not apply to local firing tests, for accuracy (*see* para. 162), and as authorized by Small Arms Training and Machine Gun Training. (*See also* para. 437.)

426. Tampering with the mechanism of service weapons is strictly prohibited. Any damages so caused will be charged against the troops.

427. The small arms, machine guns and mountings in possession of units or detachments abroad will be examined by the unit armourer quarterly (*see Appendix 14*). Should it not be practicable for the work in connection with units and detachments not provided with armourers to be undertaken by the R.A.O.C., the G.O.C. will detail a regimental armourer to perform the necessary inspection, repair and re-browning. In such a case the unit providing the armourer will also provide the necessary materials, which will be obtained from the R.A.O.C. in the proportions laid down in **Appendix 9**.

428. Barrels of rifles sentenced and reported "rusty, to be cleaned by armourer" will be marked "R" on the knox-form; and barrels of rifles found cord-worn (if not thereby rendered unserviceable) will be marked W^{*} on the left side of the knox-form at the rear end of the reinforce if the wear is at the breech, and at the front end if the wear is at the muzzle. Such barrels will not again be reported for rust (except when their condition necessitates cleaning in the R.S.A.F., Enfield Lock) or cord-wear at subsequent inspections.

429. Stars in front of the knox-form of barrels of rifles, and on the left-hand side of the top strap of pistols, denote that the trace of a cut or of rust may be found inside the barrels. Stars on other positions of small arm or machine-gun barrels denote that a trace of exterior rust pitting exists in the region of the star.

No charge will be made against the troops at subsequent inspections for such cuts or rust.

These markings will be carried out by the C.I.S.A., A.I.A. when on tour, or in R.A.O.C. workshops.

II. SMALL ARMS

430. Oil and material for the cleaning and preservation of small arms are supplied to all units in possession of small arms in the proportions detailed in **Appendix 9**. Units provided with an armourer will also be supplied with the implements, stores, and browning mixture required for repairing and browning small arms in the proportions detailed in **Appendix 9**. Materials for less than one quart of the browning mixture will not be supplied to home stations, nor for less than one gallon to stations abroad.

Instructions for the care, repair, browning, etc., of small arms are contained in the Instructions for Armourers.

431. When a unit requires components in excess of the authorized allowance, the O.C. will furnish an explanation of

the cause. The matter will be dealt with by the G.O.C. under para. 5, and in deciding whether the issue is to be free or otherwise, he will take into account whether the annual allowance has been drawn periodically in full. (*See also* para. 471.)

432. When the components expended by circuit armourers are in excess of those allowed by the scale in **Appendix 9**, the D.A.D.O.S. will call on the O.C. the unit for an explanation, and the matter will then be dealt with in the manner indicated in para. 431.

433. Butts, fore-ends, and handguards supplied for the repair and maintenance of No. 1 D.P. rifles are marked D.P. and will not be used for the repair of rifles other than D.P.

Serviceable components other than butts, fore-ends, and handguards will be used for the maintenance of D.P. rifles, provided that the cost is unlikely to exceed cost of factory repair with D.P. parts, plus cost of transport to and from R.S.A.F., Enfield Lock.

434. When browning of any components of rifles is carried out as the result of inspection by C.I.S.A.'s examiners, two sets of components (exclusive of barrel with body; inner band, etc.) will be considered equivalent to one rifle. Two barrels with body; inner band, etc., will also be considered equivalent to one rifle.

435. To enable the armourer to perform the service of browning small arms, he will receive assistance from men of the unit for such periods as may be certified by the C.O. to be actually necessary.

436. When new rifles have been issued to units, and the bayonets and scabbards which were in use with the returned rifles have been retained, labour, fuel, and browning material will be allowed for the purpose of browning the bayonet and scabbard components in the following proportions :—

Fuel	...	...	$\frac{1}{6}$	{	of the material referred to in Appendix 9 , Table 8.
Browning material	$\frac{1}{8}$				

437. At stations abroad where the necessary apparatus is held by the R.A.O.C., the tests of bayonets as described in Instructions for Armourers, will, when necessary, be carried out by the R.A.O.C. These small arms are to be tested only when there is doubt as to their serviceability. Periodical testing is not to be resorted to, as frequent bending destroys the serviceability of the blade.

438. Blades, cross-pieces, pommels, edges of tang and exposed ends of grip screws and nuts of bayonets, and the

lockets and chapes of scabbards in possession of regular units (except depots and heavy batteries R.A., Ceylon) as part of their peace equipment, will be polished by units, and kept so polished during peace. Bayonets forming part of the equipment of depots will be polished in R.A.O.C. workshops before issue.

In order to facilitate the polishing of bayonets by units, the grips will be reduced by armourers to make them flush with the surfaces of the metal parts. The removal of grips, when necessary, will be carried out only by armourers.

The normal rubbing down of the ends and edges of the grips, in course of time, due to the polishing of the surfaces of the metal parts, will not render the grips unserviceable.

439. Where possible rifles, especially service rifles, will be kept in store in racks.

When bolts of rifles and cylinders of pistols are ordered to be stored separately from their arms, arrangements will be made for their easy identification when required for issue. They will be kept in packages of 10 or 20, and each package will be marked with the bay or chest in which the rifles or pistols to which they belong are stored.

440. Oil M.80 will be used for lubricating actions and cleaning small arms in store. For preservation, the mixture consisting of equal parts of red mineral jelly and oil M.80 will be used for all descriptions of small arms, except bayonets held for mobilization (*see* para. 242).

441. Small arms stored in racks will be cleaned externally by storemen every six months and wiped over externally with oil M.80. The interior of the barrel will be cleaned and re-greased every eighteen months with the mixture consisting of equal parts of red mineral jelly and oil M.80.

Care will be taken that the stock is cleaned and lubricated in rotation. A label showing the date of last cleaning and lubrication will be attached to each rack or chest.

Where rifles are stored in racks having plugs, or holders, or where the plugs or holders fail to protect the barrels from the air, the bores of the rifles will, at home stations, be protected by a clot of red mineral jelly placed in the muzzle of the rifle. At stations abroad the clot will be composed of equal parts of red mineral jelly and beeswax.

442. When small arms are stored in chests, the latter will be distinctly marked with their contents and will contain a packing note (A.F. G 1028).

443. In addition to the general and continuous care of arms in accordance with para. 441, 10 per cent. of all small

arms in store (including mobilization equipment other than bayonets—*see* para. 242) will be examined annually by an armourer.

The arms so examined will also be lubricated between fore-end and barrel. For this purpose red mineral jelly will be used at home stations, whilst at stations abroad two parts red mineral jelly will be mixed with one part beeswax before application.

If the inspection of 10 per cent. indicates that arms are deteriorating, steps will be taken to accelerate the examination and lubrication of the remainder.

444. The stripping of any part of a small arm, including D.P., except by an armourer, an officer qualified at a Small Arms Technical Long Course, or by a warrant officer or N.C.O., or man in possession of a certificate granted by either the C.I.S.A. or the Military College of Science, is strictly forbidden.

445. Damaged small arms which are beyond repair by the unit or circuit armourer will be returned to the R.A.O.C.; serviceable arms, if required, being demanded in replacement.

446. Small arms requiring only repairs which are within the capacity of unit armourers to effect will not be returned to the R.A.O.C. unless circumstances render it impracticable for the former to carry them out. Where such arms are returned to R.A.O.C. they must be accompanied by a certificate signed by the C.O. that the circumstances were considered to justify the action. This provision is not to be taken to cover any neglect of duty on the part of an armourer, and should repairs be sent to R.A.O.C. unnecessarily the C.O. will be held responsible for any costs incurred.

III. MACHINE GUNS AND MOUNTINGS

447. Materials for cleaning and oiling machine guns and their mountings will be supplied in the proportions allowed in **Appendix 11**.

448. Materials, which will be replaced when necessary, will be allowed to each store in which machine guns are kept or dealt with. These materials are detailed in **Appendix 11**.

449. (1) Spare parts for the repair of machine guns and mountings may be issued annually in the proportions detailed in **Appendix 9**, Table 10.

(2) Other spare parts and tools are issued as part of the machine gun equipment.

(3) Contents of bags and boxes, spare parts and tools, etc., for machine guns are detailed in **Appendix 17**.

The contents of the spare parts box (or bag) are not to be drawn upon until the components of the machine gun and the annual allowances authorized by sub-para. (1) have been used up. When articles are withdrawn from the spare parts box (or bag) indents will at once be put forward for their replacement.

450. The allowances of materials for painting machine guns and polishing mountings for all regular units are laid down in **Appendix 10**.

451. The polishing of certain mountings as directed in **Appendix 10** will be effected under unit arrangements.

452. To ensure that machine guns and mountings are kept in readiness for immediate service, they will be examined periodically, as in **Appendix 14**, by an armourer or by an armament artificer who has been through a machine gun course at the Military College of Science, and any necessary repairs which can be done locally will be carried out.

When an armourer or armament artificer is not available, the service will be carried out under arrangements to be made by the D.A.D.O.S.

453. The browning of machine guns will, where necessary, be carried out by armourers under the same conditions as small arms.

If the materials authorized for small arms under **Appendix 9**, Table 8, are insufficient to provide for the re-browning of the machine guns also, additional quantities as necessary may be approved for issue under para. 5.

For units where an armourer is not normally attached, re-browning will be carried out by circuit armourers.

Trigger guards and magazines of Lewis machine guns will not be re-browned owing to the presence of the fixed wood grips in the former, and the necessity for stripping the latter for such purposes, but they will be painted.

454. The stripping of machine guns, except by an armourer, apart from that permitted in para. 163 and the normal stripping necessary in order to replace any of the spare parts issued with the gun, or for cleaning purposes, as laid down in Small Arms Training, Machine Gun Training and the Handbook for the Vickers .303-in. Machine Gun, is strictly forbidden.

IV. BICYCLES

455. Government bicycles are to be used only on military duty or service connected with military requirements. C.Os. will be responsible for the proper care and preservation of service bicycles by soldiers or others under their command.

Padlocks, bicycle, and chains will be issued with all bicycles supplied for cyclist orderlies. They will be obtained on indent from the R.A.O.C. for this purpose and will be considered part of the equipment of the bicycle. When not in use for chaining up the bicycle they will be carried in the tool bag.

456. Detailed instructions regarding the care, preservation and repair of service bicycles are included in Instructions for Armourers; general instructions for the guidance of all users are contained in the Handbook on Military Pedal Bicycles.

457. In order to fix responsibility for loss or damage, transfers of bicycles between individuals will be recorded in the Handbook on Military Pedal Bicycles, a copy of which will be always carried in the tool bag of the machine to which it belongs. Any loss or damage will be immediately reported by the rider concerned.

458. When a bicycle is allotted for the common use of orderlies, the O.C. unit will cause a particular soldier to be detailed to look after the bicycle, and it will be part of the duty of this soldier to report in writing at the end of each day any damage or loss which has occurred to the bicycle, whether caused by himself or any other person.

459. Materials for lighting, cleaning and preservation will be issued to all units in possession of service bicycles in the proportions detailed in **Appendix 7**, Table 2.

460. Units in possession of service bicycles may maintain a stock of components and materials for repair of the bicycles held on peace charge. These will be accounted for in accordance with paras. **103** and **411**. No one article must exceed two shillings in value, and the total value of such stock must not exceed ten shillings for each bicycle on charge.

Indents for the maintenance of these stocks will be submitted to the D.A.D.O.S. as directed in para. **28**. When extensive repairs are necessary and the stock of components is inadequate to meet requirements, intermediate indents will be submitted.

Only such components as are supplied by the R.A.O.C. will be used in the repair of service bicycles; local purchase by the R.A.O.C. is prohibited, except in the case of items so detailed in the Vocabulary of Army Ordnance Stores, which will be purchased locally by units on the authority of the D.A.D.O.S.

461. In units without armourers the repairs to bicycles will be carried out by warrant officers, N.C.Os., or men of the unit

who are in possession of a certificate granted by the C.I.S.A. or by the Commandant, Military College of Science, as having passed a course of instruction in the repair of service bicycles.

Repairs beyond the capacity of the unit will be arranged for by the R.A.O.C.

When the services of such warrant officers, N.C.Os., or men are available, soldiers called upon to ride bicycles will, whenever possible, be previously instructed in the correct method of effecting adjustments and minor repairs.

The syllabus for such instruction is given in the Handbook on Military Pedal Bicycles.

462. In addition to the periodical inspections by C.I.S.A. and R.A.O.C., Os.C. units will arrange for all bicycles on peace charge to be inspected weekly by an officer, in order to ensure that the bicycles are properly cleaned and cared for, and that all deficiencies and serious damages are duly investigated at once and the responsibility for them fixed.

Attention is drawn to the instructions contained in the Handbook on Military Pedal Bicycles.

463. The result of the officers' inspections and of any subsequent investigations arising from them will be entered week by week in a log book (*see Appendix 8* for specimen page) to be kept for that purpose, and signed each week by the officer making the inspection.

The book will be produced for the information of C.I.S.A.'s examiners and the R.A.O.C. at the periodical visits, and will also be sent to the D.A.D.O.S. of the area every year for inspection.

V. INSPECTIONS

464. Small arms, machine guns, mountings and bicycles in the hands of troops at home and abroad (except those in South Irish Coast Defences) will be inspected as shown in **Appendix 14**.

With regard to the quadrennial examination carried out by C.I.S.A. and R.A.O.C., each command will normally be divided upon a geographical basis into four circuit areas.

Northern Ireland will constitute a separate circuit area.

Programmes for C.I.S.A.'s inspection will be prepared by him in collaboration with the command concerned. Current inspection by the R.A.O.C. will take place throughout the circuit area wherein inspection was made by the C.I.S.A. two years previously. In order, however, that the correct period elapses between successive inspections, commands will forward copies of the programmes of the R.A.O.C. inspections to C.I.S.A.

In the South Irish Coast Defences an annual exchange of 25 per cent. will be made in the case of arms and machine guns and mountings in lieu of the quadrennial inspection by C.I.S.A. and R.A.O.C.

465. In order that a complete record of the quadrennial inspections by C.I.S.A. and R.A.O.C. may be maintained the following procedure will be followed :—

- (a) A.Ds.O.S. commands will keep a record of all quadrennial inspections carried out in their command.
- (b) On the arrival of a unit into a command the A.D.O.S. will ascertain the date of the last quadrennial inspection of the unit's arms, and notify C.I.S.A.
- (c) A return, detailing all quadrennial inspections carried out by them during the year will be prepared by the A.I.As. and forwarded by them to the A.D.O.S. of their command for transmission to the C.I.S.A., to reach the latter by the second week in January in each year.

466. A.I.As. will also visit units in each command in those circuit areas not due for current inspection by either the R.A.O.C. or the C.I.S.A., to ensure that authorized repairs are being carried out by regimental and circuit armourers and that any serious defects are being brought to notice.

467. C.I.S.A.'s examiners, when inspecting arms of units without armourers, will be provided with such components of small arms and machine guns as they may require to enable replacements to be effected during inspection.

Repairable small arms, machine guns or bicycles will be noted by them for repair in R.A.O.C. workshops and un-serviceable articles noted for exchange.

On completion of each tour, C.I.S.A. will forward a statement to the D.A.D.O.S. of each area showing the components expended in the minor repair of small arms and machine guns of each unit. This will enable the area D.A.D.O.S. to watch that the annual allowance of components is not exceeded without due authority (*see* para. 471). The statement will also show components which have been utilized to replace deficiencies and which have been included in C.I.S.A.'s charges.

468. The following action will be taken on completion of C.I.S.A.'s examination :—

- (a) Reports (A.F. C 351) showing condition of small arms, machine guns, mountings, and bicycles examined by C.I.S.A. will be forwarded to the commands. These reports will show condition, damage not due to fair wear (*i.e.* neglect or culpable mismanagement),

deficiencies, and also parts not of service pattern, and will state that charges will be preferred by his department in due course.

Differences from authorized equipment scales or from numbers on ledger charge will not be shown.

- (b) Upon receipt of the report, commands will send one copy to units and will inform units of the damages and deficiencies to be charged against them, and will also inform C.I.S.A. of any action that has been taken to relieve the unit of any charges pending, quoting the relevant authority. Such charges will not be preferred by C.I.S.A. on his claim (A.F. G 838).
- (c) After the expiration of a period of not less than six weeks from the date on which details of the damages and deficiencies are reported to commands, C.I.S.A. will prepare claims (A.F. G 838) in quadruplicate ; two copies, to one of which will be attached a demand slip (A.F. P 1921), will be sent to the unit from which the payment is due. The third copy will be sent to the paymaster of the command in which the unit is serving, and the fourth copy will be retained by the C.I.S.A.
- (d) After the despatch of the claims it will not be competent for the commands to write off any of the damages or deficiencies included therein. The claims must be paid in full, and, should good cause exist for an objection thereto, a refund may be applied for under para. 106. When payment has been received the paymaster will endorse the third copy and retain it as a voucher to his account. He will also endorse the second copy (bearing the demand slip) with a reference to the account in which credit has been given, and return it to the C.I.S.A.
- (e) Where it is claimed by a unit that the articles shown as deficient have been recovered, the command should furnish to the C.I.S.A., within the period of six weeks referred to above, a certificate (to be signed by the C.O. personally) that the unit has the articles in question in a complete and serviceable condition.

469. The rules for assessing charges for damages and losses of small arms, machine guns, mountings and bicycles are laid down in para. 111.

470. The O.C. unit will subsequently forward a certificate

to the C.I.S.A. through the D.A.D.O.S. of the area, to the effect that the repairs and replacements indicated as necessary in the reports, have been carried out.

471. When a unit requires components in excess of the authorized allowance and such components are required in connection with C.I.S.A.'s examiners' inspection, the C.I.S.A. will enumerate the excess components on his report to the command, and will also state, when necessary, if there appears to be reason for charging the unit with their cost. (*See also* para. 431.)

472. On completion of the quadrennial inspection the A.I.A., or, in his absence, the senior circuit armourer, will forward his report (A.F. C 351) in duplicate to the D.A.D.O.S., who will forward one copy to the O.C. the unit concerned.

473. Circuit armourers will be supplied in advance by the O.O. with small arm, machine gun, mounting and bicycle components, including tyres, estimated to be required for their repair.

Components of bicycles will be issued to the circuit armourer on loan. Other components will be written off charge in the ordnance accounts by expense voucher.

On completion of tour, the circuit armourer will produce lists of the components expended on each unit, supported by the certificate of the C.O. that he is satisfied that the quantities are correct. These lists will be used to check further issues against the annual scale.

Bicycle components will then be struck off to the unit on A.F. G 982, and the unexpended balance of other components will be brought on charge by certificate-voucher, the O.O. satisfying himself that the balances are correct.

474. Following R.A.O.C. inspections under para. 464, similar action to that laid down for C.I.S.A. will be taken, and claims will be preferred by the responsible officer concerned.

E.—ACCOUTREMENTS, STEEL HELMETS, HARNESS AND SADDLERY, AND MISCELLANEOUS

475. The accoutrements of units detailed below will be repaired by the saddlers of the unit where such are included in the establishment. In the case of other units, the repairs will be carried out by such persons as may be directed by the C.O., provided that he is satisfied that the work will be efficiently performed. (*See* para. 405.)

For this service, when performed by soldiers not in receipt of tradesmen's rates of pay, the under-mentioned sums will be allowed annually for every 10 (or less) sets of accoutrements in use :—

	s.	d.
(a) Company of infantry	0	7
Infantry depot	0	7
Units of R.E. (equipped with web equipment)	0	6
Units of R. Signals	0	6
Cavalry armoured car regiment	0	5
Company, tank battalion and armoured car unit	0	5
Company or detachment of R.A.M.C.	0	5
Depot of R.A.M.C.... ..	0	5
Units of R.A.S.C. (Transport and Supply)	0	5
R.A.O.C. Depot, company or section	0	5
(b) Coast defence units, R.A., local batteries, R.A., and Bermuda Militia Artillery	0	10

These allowances are intended to cover the repair of all the items included in the personal equipment of the soldier, whether buff, black, brown or web, or any combination of these.

In addition to the above, depot batteries of R.A. will be allowed $\frac{1}{2}d.$ per annum for each belt, not forming part of a set of accoutrements, held on charge for recruits.

For the units in possession of web equipment, pattern 1908, referred to at (a) above, tools will be allowed as detailed in **Appendix 19**, Table 5, and waxed thread will be provided out of this allowance. For the units referred to at (b) both waxed thread and tools will be provided out of the allowance.

476. The allowance for the repair of accoutrements will be claimed quarterly, in arrear, on 1st January, 1st April, 1st July, and 1st October, and will be calculated on the annual basis laid down in para. **475** and the number of days the unit was without the services of a saddler during the quarter, *e.g.* the annual allowance for the number of sets on charge will be multiplied by a fraction, the numerator of which is that number of days and the denominator the number of days in the year. The claim will be supported by a certificate signed by the C.O. that, for the period for which allowance is claimed the unit was without the services of a saddler and that the man by whom the work was performed was not in receipt of tradesman's rates of pay.

The claim should be preferred on A.F. P 1900. It should state to which man's account the allowance should be paid,

and will be charged in Form 3 of the battery or company pay and mess book.

477. The articles allowed for the repair of accoutrements will be supplied by the R.A.O.C.

478. The repair of the metal work will be part of the ordinary duty of the armourer, or smith, where one is available.

479. The use of oxalic acid or other injurious materials for cleaning accoutrements is strictly forbidden. Such parts of black accoutrements as would show brown when in use may be blackened with ordinary blacking, but no other colouring matter is to be used.

480. When brown leather accoutrements require to be cleansed from dirt they should be washed with plain cold water and hung up until they are about half dry.

"Composition, brown" should then be applied to both sides of the leather, but preference should be given to the grain or smooth side. The articles should then be hung up until they are thoroughly dry, when a brush or cloth should be used for finishing and polishing.

In many cases it will be found that a thorough brushing will be sufficient to clean the leather before greasing—and only the dirtiest of the articles should be washed. An application of "Composition, brown" once a month will, in ordinary circumstances, be found sufficient.

Packs and haversacks when in a dirty and greasy condition should be washed (scrubbed) with soap and warm water (*not hot water*) inside and outside. The articles should be well rinsed in warm water after washing. When the articles are only slightly dirty a good brushing will suffice.

"Composition, brown" may be drawn annually in the proportions detailed in **Appendix 19**, Table 4.

481. (1) Materials for the repair of bandolier and web equipment may be drawn in the proportions detailed in **Appendix 19**, Tables 1 and 3.

(2) Water-bottles requiring repair will, in the case of—

(a) R.A. units...	...	...	...	Be repaired by regimental artificers. Materials for repair will be supplied in the proportions laid down in Appendix 19 , Table 2.
R.E. units...	...	...	...	
R. Signals units	...	...	...	
Cavalry regiments	...	...	...	
Cavalry armoured car regiment	...	...	...	
Infantry battalions and depots...	...	...	...	
Tank battalions	...	...	...	
Armoured car companies	...	...	...	
R.A.S.C. companies	...	...	...	
R.A.O.C. companies or sections	...	...	...	

(b) All other units, Schools of Instruction, etc. ... { Be sent to the nearest ordnance depot for repair.

(3) Materials for the repair of other accoutrements will be supplied in the proportions specified in the several sections of E.R., Part 2.

482. Instructions for the repair of web equipment are detailed in **Appendix 19**, Table 6.

483. Materials required to replace others lost or damaged by neglect will be charged against the troops.

484. When any article, comprising two or more component parts, has become in part unserviceable in time of peace, such new parts as may be required will be obtained from store and attached by the military tradesmen of units, free of charge. C.Os. will take care that no article of equipment in use is ripped to pieces until the new parts required from store have been received and can be sewn on without delay.

485. In cases where the indents for accoutrements to replace unserviceable articles are very large, and where C.Os. consider that it would be inexpedient to allow the equipments of their units to be rendered incomplete, even for a short time, accoutrements of the kind referred to in para. **484** may be indented for in a complete state.

486. Tampering with steel helmets in any way is strictly forbidden, *e.g.* boring of holes for the purposes of hanging them up, affixing badges, etc. The cost of repairing any damages so caused to steel helmets will be charged against the troops. There is no objection to the painting of regimental badges on steel helmets provided that no expense to the public is incurred thereby.

487. (1) The following scale of paint, etc., is authorized for issue for repainting and sanding steel helmets in use :—

<i>Section F.</i>		<i>Every 100 Steel Helmets.</i>
Brushes , varnish, or enamel, flat 2-in.		1

<i>Section H1.</i>		
Paint , prepared for use, dark grey	lb.	9
Paper , glass, No. 3	sheets	20
White spirit	pints	1

<i>R.E. Supply.</i>		
Sand (60-mesh grade)	lb.	10

The stores will be an annual supply in all commands except Egypt for which command the allowance will be issued biennially.

(2) The helmet must first be scraped, and scoured with glass paper, until the metal is bright and clean. A coat of "paint, prepared for use, dark grey," will then be applied and allowed to remain until the surface is tacky (about 1 hour). At this stage sand (a) must be freely sprinkled over the helmet until no more will stick to the tacky surface of the paint. The surplus sand will then be removed by gentle tapping, after which the paint must be allowed to harden thoroughly (at least 24 hours). A coat of paint, which has been thinned (b), will then be applied to the sanded surface and again allowed to harden thoroughly.

(a) The sand used for the above process must be free from very coarse particles and so graded as to pass a "60-mesh" sieve.

(b) For each 100 helmets 4 lb. of paint, prepared for use, dark grey, will be thinned by mixing thoroughly with one pint of white spirit until the whole is of uniform consistency. This thinned paint will be required for the second coat.

488. Indentations will be removed from steel helmets as follows:—

Remove lining. Cut and drive out the copper rivet securing the felt disc and remove the disc.

Obtain a sandbag filled with sand; form it into a hollow approximating to the contour of the helmet; lay the helmet in the hollow; and, with a lead hammer (as an alternative, either a rawhide or wooden mallet may be used) beat out the worst indentations. When this has been done use a soft metal (brass if possible) "dolly" or drift having a slightly bevelled face and drive out the smaller indentations. These are the only tools and material necessary to restore the helmet to its original shape. The felt disc is then riveted in and the lining replaced.

Two rivets, bifurcated for each helmet, and "rivets, copper, plain," will be issued as necessary by the R.A.O.C. on receipt of indents.

When unit armourers are not in possession of the tools mentioned above, they should be improvised locally.

489. Instructions for the care and preservation of flutes and piccolos and for lapping drum heads are contained in **Appendix 18.**

490. The authorized proportions of materials for repair of harness, saddlery and packsaddlery, as detailed in **Appendix**

20, are based upon the average quantities required for the repair of articles which have been some years in use. With new harness and saddlery the same amount of materials will not be required, and in making indents C.Os. will demand only what is actually requisite.

491. Repairs to saddle blankets carried out by regimental saddlers should be done with worsted yarn and with a herring-bone stitch, about five to the inch. The edges should be drawn together and not overlapped.

The stitching in all cases should be so executed that the rent, or patch, when repaired, may lie flat.

Torn blankets can generally be repaired without patching ; but when material is used, it should, as far as possible, match the blanket.

492. All cuttings from the under-mentioned materials supplied for repairing harness and saddlery, as well as the unserviceable parts and material named, will be returned to store as opportunity offers :—

Cuttings from	{	canvas	}	Flaps, saddle.
		cloth		Hair, old, horse.
		leather		Junk, old.
		numnahs		Seats, saddle.
		sheepskins		

Metalwork { copper rivets, saddles, universal.
iron and steel (from saddles generally).

493. Detailed instructions for the care and preservation of harness, saddlery and packsaddlery are contained in **Appendix 23.**

494. Surveying, mathematical, drawing, optical, telegraph, and telephone instruments are not to be smeared with oil or mineral jelly. These instruments are mainly constructed of gunmetal or brass, and are lacquered or otherwise protected ; it is, therefore, only necessary to wipe them over carefully with a dry soft rag. No great amount of force should be used. To avoid deterioration it is important that these instruments should always be stored in a dry building.

495. In order that the wood hoops of "barrels, cartridge," "barrels, cordite drum" and "barrels, powder," may be preserved against ravage by insects while held in store, arrangements will be made for the hoops to be brushed over with creosote (wood preservative). Two applications will be made at intervals of 24 hours. This treatment will be repeated at intervals of 12 months.

CHAPTER XVIII.—MARKING OF EQUIPMENT

A.—GENERAL INSTRUCTIONS

496. Paint and marking ink will be supplied to the various services requiring them, and stamps as detailed in **Appendix 46** for marking clothing, small arms, machine guns and mountings, accoutrements, steel helmets, respirators, harness, saddlery and packsaddlery. The adoption of an unauthorized method of marking, or the employment of stamps differing from the standard patterns, will render a unit liable to charges for damage.

497. Except as specifically provided for in these regulations, no equipment will receive any indelible corps marks. Should it be found, on such articles being returned into store, that they have been so defaced, the cost of the articles will be charged against the unit for whose use they were issued.

498. Small arms and accoutrements stored for issue on mobilization will not be marked in peace. After issue on mobilization, outfits of reservists not immediately joining the expeditionary force will be marked with corps marks and consecutive numbers by the unit to which the reservist is allotted. In the case of men who are posted to units immediately joining the expeditionary force, marking will not be carried out.

Those issued to a reservist detailed to join a unit abroad will be marked with the corps mark of the unit to which the man is to proceed and will be numbered from 1 upwards, preceded by the letter R, *e.g.*, R.1, R.2, etc.

If necessary, application will be made to the R.A.O.C. for the assistance of an armourer or other qualified man to mark the arms.

Harness and saddlery issued to, or taken into use by, troops on mobilization will be marked with as little delay as possible with corps marks and consecutive numbers.

The markings detailed above will not be carried out if mobilization is thereby delayed.

499. Articles of equipment supplied from time to time for temporary purposes will not receive corps marks with the exception of extra service accoutrements supplied to units in excess of their peace establishment (*see* para. 510).

500. Should additional accoutrements be issued to detachments (*see* para. 110), the marking will be from 1 upwards, but with the prefix 0. The marking would thus read: 01, 02, 03.

501. Marking of equipment will be performed by the unit free of charge, exception being made in the case of the engraving of piccolos and flutes (*see* para. 514).

502. The paint required for marking baggage (*see* King's Regulations) may be purchased by C.Os. as required, the charge being supported by a certificate stating the number of packages marked.

B.—MARKING ARTILLERY STORES, ETC.

503. All side arms, handspikes, levers, as well as the handles of all intrenching tools, and other articles required for manual labour, will be left unpainted. When it is necessary to mark these articles, they will be lettered, in paint, with the distinguishing marks of the unit to which they belong.

504. The marks and numbers on stores of all natures, and every kind of projectile and fuze, on guns and artillery carriages, and on all vehicles, will be noted in all reports relating to the repair, alteration and condemnation of such stores, in order that the date of manufacture may be readily ascertained.

C.—MARKING ARMS

505. All small arms, except E.Y., extra service and those for issue on mobilization (*see* paras. 498 and 506), will be marked with corps marks and consecutive numbers. D.P. rifles in use at depots of regular units will also be marked with corps marks and consecutive numbers, but other D.P. arms will not be so marked. Full instructions as to marks will be found in **Appendices 47 and 49.**

Care will be taken that the marks on the small arms are not too deeply stamped.

506. D.P. or E.Y. rifles, D.P. bayonets and extra service arms are marked as in para. 124, and no corps marks will be added when they are taken into use by troops, except in the case of D.P. rifles in use at depots of regular units (*see* para. 505).

507. Small arms issued to units which have their own armourers will be marked regimentally with corps marks and numbers. In the case of small arms issued to units with which the services of an armourer are not available, the corps marks and numbers will be made by the R.A.O.C. before issue, and

C.Os. in making indents on the R.A.O.C. will state the particulars of the corps marks and numbers to be placed on the arms.

508. Small arms issued to replace others will be given the numbers of the articles replaced.

D.—MARKING ACCOUTREMENTS

509. All accoutrements, except those for mobilization (*see* para. 498), when received by the troops will be marked, before being taken into use, to correspond with the small arms.

510. Accoutrements supplied for men in excess of the regulated establishments will be marked by the unit with consecutive numbers and the distinguishing corps marks.

511. Accoutrements will be marked as follows :—

Buff and web accoutrements, haversacks, and mess-tin covers	}	$\frac{1}{2}$ -in. stamps, marking textiles (a) and black marking paint.
Brown or black accoutrements	}	$\frac{1}{4}$ -in. steel stamps, care being taken that the leather is not cut but merely indented.
Enamelled iron water-bottle covers	}	$\frac{1}{2}$ -in. stamps, marking textiles (a) and paint prepared for use, black, lamp. In centre of that portion of cover not exposed to view when bottle is worn. (Bottles should be worn with cord or chain securing cork towards rear.)
Mess-tins	}	$\frac{1}{4}$ -in. steel stamps. Tins should be well supported by a smooth surface during process of marking. Judgment must be used in delivering blows so as not to cut the metal through. Mess-tins for mounted services will always be stamped on the inside in the centre of the lid and bottom portion.

Branding accoutrements is strictly prohibited.

In all cases when marking black and brown accoutrements, the stoutest parts should be chosen. Bandoliers should be marked on the bodies, and the pockets on the back loops.

Marking should be done in such a way as to ensure that it is out of sight when the article is worn, *e.g.* on the inside of

(a) Stamps, copper, inlaid $\frac{1}{4}$ -in. will be issued until stocks are exhausted.

all articles, and that the article is not damaged thereby and is fit for subsequent issue to other units.

512. The whistles of infantry will be marked on one side of the acorn with the territorial letters, and on the other side with the number of the whistle, from 1 upwards. The battalion numeral will be dispensed with. The whistles of serjeants of R.E. and R. Signals will be marked in the same manner as their small arms. For the purpose of marking, the steel stamps for metal in possession of units for marking small arms will be employed.

513. Stamps will not be supplied specially to mounted services for marking accoutrements, some of the stamps issued for marking the saddlery and harness being suitable for this purpose also.

E.—MARKING MUSICAL INSTRUMENTS

514. (1) Musical instruments will be marked in consecutive numbers, from one upwards, in the manner approved for marking small arms.

(2) This service will be performed in the following manner :—

(a) Bugles, drums and trumpets will be marked by armourers with the stamps in possession of units for marking metal articles.

When the services of an armourer are not available with the unit, the marking of these articles will be performed by the R.A.O.C. prior to issue. In such cases particulars of corps marks and numbers must be furnished by units on the indents for the instruments.

(b) Piccolos and flutes will invariably be engraved locally, and if the work is performed by a soldier, $\frac{1}{2}d.$ a letter or figure shall be admitted as a charge against public funds. No soldier who is in receipt of tradesmen's rates of pay will be entitled to be remunerated from this allowance for the performance of any duties in connection with this service, unless these duties are performed in his own time, in addition to those for which he receives tradesmen's rates of pay. If it is found necessary to employ civilian labour, C.Os. will ensure that the work is performed at the cheapest rate, and a certificate to this effect will accompany the bill when submitted to the command paymaster for payment.

515. The silent drum for practice will be marked on the wood, on the under side, with the same stamps as are used for accoutrements.

F.—MARKING HARNESS AND SADDLERY

516. All articles of harness and saddlery of $\frac{3}{4}$ in. or more in width will, subject to para. 64, when received by the troops for peace use, be stamped with the distinguishing marks of the corps. The sets will be numbered consecutively, harness and saddlery being given different series of numbers. As articles common to both harness and saddlery will be distinguished only by the position of the set number, care must be taken to place the number correctly.

In batteries of artillery the numbering will be by sub-sections, and in the cavalry by squadrons, as in the specimens given below.

In other units there will be, for the entire establishment, one series of numbers for sets of universal saddlery, another for sets of officers' saddlery, and a third for single sets of harness. The numbers will be placed on saddlery vertically under the corps marks; and on harness in the same line with, and following corps or sub-sectional marks, as in the specimens given below.

In every case the head-collar will be marked with the number of the horse instead of that of the set.

Royal Horse Artillery

I BTY.	...	...	I Battery.
R.H.A.	...	...	Royal Horse Artillery.
A	...	...	A Sub-section.
4	...	...	No. 4 set of saddlery.
I BTY.	...	...	I Battery.
R.H.A.	...	...	Royal Horse Artillery.
B.3	...	...	B Sub-section. No. 3 single set of harness.

Field Artillery

37. F. BTY.	...	...	37th Field Battery.
O.1	...	...	Officers' No. 1 set of saddlery.
37. F. BTY.	...	...	37th Field Battery.
B	...	...	B Sub-section.
1	...	...	No. 1 set of saddlery.
37. F. BTY.	...	...	37th Field Battery.
B.3	...	...	B Sub-section. No. 3 single set of harness.

Cavalry

L.G.	...	...	The Life Guards.
A	...	...	A Squadron.
2	...	...	No. 2 set of saddlery.
17/21 L.	...	...	17/21st Lancers.
B.1	...	...	B Squadron. No. 1 single set of harness.

Royal Engineers

2. Co.—R.E.—4 ... 2nd Field Company. No. 4 set of harness.
 2. Co.—R.E.—4 ... 2nd Field Company. No. 4 set of universal saddlery.
 2. Co.—R.E.—O.2 ... 2nd Field Company. No. 2 set of officers' saddlery.

Royal Corps of Signals

1. Div.—R. Sig.—4 1st Divisional Signals. No. 4 set of harness.
 1. Div.—R. Sig.—4 1st Divisional Signals. No. 4 set of universal saddlery.
 1. Div.—R. Sig.—O.2 1st Divisional Signals. No. 2 set of officers' saddlery.

Royal Army Service Corps

R.A.S.C. ... R.A.S.C. Training Battalion.

517. The leather work will be marked with $\frac{1}{4}$ -in. steel stamps, immediately under the W.D. and broad arrow.

518. The ironwork will be marked with $\frac{1}{8}$ -in. steel stamps for metal, the portmouth bit in front of the port, the bridoon bit on top of the mouthpiece, and the stirrup irons on the bottom.

519. If, on a transfer of harness or saddlery, any of the sets received are found to bear numbers already on the harness or saddlery on charge, the articles will be re-numbered, either with the numbers of sets transferred from charge or as additions to the establishment.

520. The harness and saddlery issued to infantry battalions will be marked before issue, by the R.A.O.C., according to the principles laid down in para. 516.

521. Sheepskins, nosebags, corn sacks, saddle blankets and horse rugs will be marked with paint, prepared for use, black lamp, "Stamps, marking textiles $\frac{1}{8}$ -in." (a), will be used and the marking will be placed immediately under the W.D. store mark.

(a) Stamps, copper, inlaid $\frac{1}{8}$ -in. will be issued until stocks are exhausted.

G.—MARKING STEEL HELMETS AND RESPIRATORS

522. (1) Steel helmets and respirators (and haversacks) forming part of the personal equipment of all ranks (including officers) will be marked as follows :—

Officers

(a) Steel helmets and respirators (and haversacks) will be marked with the officers' rank and name. Containers will be marked as for other ranks. The positions of the markings to be as shown below.

Other Ranks

(b) *Steel helmets* will be marked with the corps mark and the soldier's equipment number on the felt pad and also under the lining of the helmet.

(c) *Respirator facepieces* will be marked as follows :—

The corps mark and the soldier's army number will be marked with "paint, prepared for use, black lamp," on a piece of $\frac{1}{2}$ -in. tape for :—

(i) *Home Stations*.—5 inches of adhesive tape (*Section A.2*) for each facepiece. When marked the tape will be threaded through one of the loops of the harness of the facepiece, the free adhesive ends being pressed together to form a tag.

(ii) *Stations Abroad*.—5 inches of tape, linen, $\frac{1}{2}$ -in. whited brown (*Section H.2*) for each facepiece. When marked the tape will be threaded through the top buckle of the harness and stitched as near the top buckle as possible, and again at the end of the tape so as to form a tag.

(2) *Containers* of respirators on issue to individuals will be marked as laid down in para. 523.

(3) *Haversacks* (respirators) will be marked with the corps mark and the soldier's army number on the inside of the flap.

523. The steel helmets and respirators will be marked with black paint, using "Stamps, marking textiles $\frac{1}{2}$ -in." (a).

Haversacks will be marked with "paint, prepared for use, black lamp," using $\frac{1}{2}$ -in. stamps.

Containers, Type A., will be stencilled, in black paint, with the particulars given below, in $\frac{1}{4}$ -in. letters between the 2nd and 3rd corrugations.

ISSUED.

Month/Year.

(a) Stamps, copper, inlaid $\frac{1}{4}$ -in. will be issued until stocks are exhausted.

Containers, Type D., will be stencilled in white paint, with the particulars given below, in $\frac{1}{4}$ -in. letters on the bottom.

ISSUED.

MONTH/YEAR.

H.—MARKING GUARDS AND RIFLE DEPOT EQUIPMENT

524. In Guards and Rifle depots the small arms and accoutrements (except those stored for reservists) and musical instruments will be marked with the approved regimental initials, followed by the letter D. All other depot markings are shown in **Appendix 47**.

I.—MARKING VEHICLES AND BICYCLES

525. Instructions for marking vehicles and bicycles are given in **Appendix 48**.

J.—MARKING LEWIS ·303-IN. MACHINE GUNS AND EQUIPMENT OF LEWIS AND VICKERS ·303-IN. MACHINE GUNS

526. Lewis machine guns (except D.P.) and certain items of Lewis and Vickers machine gun equipment will be marked regimentally with corps marks and consecutive numbers. Full instructions as to marks and a list of the articles to be marked are contained in **Appendix 47**.

Spare butts of Lewis machine guns will not be marked, but when a spare butt is taken into use on a gun, the disc will be exchanged with that in the butt removed from the gun.

527. Where the services of an armourer are not available for marking Lewis machine guns, C.Os. will take action in accordance with para. **507**.

528. When any of the stores referred to in para. **526** are exchanged owing to unserviceability or to authorized transfer to store or to another unit, the articles issued in replacement will be given the consecutive numbers of those replaced.

529. When returned to store and found serviceable or repairable, the marking on canvas, web and leather articles will be cancelled with a cancellation mark and with the stamp of the depot. The marking on stencilled articles will be painted over. Similar action will be taken by the receiving unit when transfer of serviceable articles from another unit is authorized, except that, in lieu of the depot stamp, the receiving unit will keep a record of the transfer and of the previous corps marking.

K.—MARKING OF CALIBRATION DETAILS ON GUNS AND HOWITZERS

530. Instructions for marking calibration details on guns and howitzers are given in **Appendix 48**.

CHAPTER XIX.—ARMOURERS—CONTROL OF AND DUTIES

531. Armourers (warrant officers and N.C.Os. of the armourer section, R.A.O.C.) are attached to regiments of cavalry and battalions of infantry, and to such other units as may be specially approved.

They will be responsible to the C.O. for all repairs and work executed by them, and for drawing attention to any neglect of weapons and their equipment.

They will also bring to the notice of the C.O. any failure to submit weapons and their equipment for inspection at the regular periods.

Armourers are also posted to commands for duty at ordnance depots or for employment as circuit armourers. These armourers are under R.A.O.C. administration.

532. Supervision of armourers' work will be carried out by A.I.As.

These officers will be responsible to the A.D.O.S. of the command to which they are attached.

533. Where, owing to the ordnance depot not being centrally situated in connection with a circuit, it is found more advantageous to post a circuit armourer to a station where no ordnance depot exists, such tools and appliances as may be required for use will be held and accounted for by the O.C. the unit to which the circuit armourer is attached.

The O.C. the unit will indent for such components as may be necessary, accounting for small arms and machine gun components in A.B. 282. The components will be supplied to the circuit armourer in the manner indicated in para. 473.

The circuit of such armourers and the dates of their visits to the various units in the circuit will be arranged by the D.A.D.O.S.

534. Unit armourers will perform the following duties (with the exceptions and restrictions laid down in para. 418 and Appendix 15):—

- (a) Execute all repairs and browning required to—
 - (i) rifles, pistols, swords, bayonets, scabbards, lances;
 - (ii) machine guns and mountings (including machine guns and mountings in A.F.Vs.).

- (iii) bicycles ;
- (iv) helmets and chains ;
- (v) metal work of accoutrements, saddlery and appurtenances, including the roughing of stirrup irons every third year, or oftener if necessary ;
- (vi) muskets and similar articles held on inventory charge of the unit to which they are attached.
- (b) Execute any trifling repairs and such other work within their capabilities as, under special authority, they may be called upon to perform.
- (c) Keep in repair the tools in armourers' boxes.
- (d) Manufacture, when necessary, tools not included in the set detailed in **Appendix 6**, within the limits prescribed in para. 418.
- (e) Carry out the prescribed periodical examinations referred to in **Appendix 14**.

In each case defects are to be made good.

All weapons will be stripped, examined and cleaned.

Grease will be applied between fore-ends and barrels of rifles (*see Appendix 9*, Table 9).

Mountings will be examined and cleaned.

In order to avoid duplication of work, the annual examination should be arranged to coincide with the date on which a quarterly inspection is due.

As far as possible the quarterly inspection will be so arranged as to avoid interference with the training of troops.

The results of quarterly and annual examinations will be entered in detail on A.F. G 1048. One copy will be retained by the armourer and others forwarded to the O.C. the unit and to the Os.C. companies or detachments.

- (f) Examine and clean all small arms, machine guns and mountings, and bicycles issued from store before they are taken into use by the troops.
- (g) Carry out all authorized marking (including drums, bugles or trumpets).

535. Any exceptional or unusual defects found during examinations will be brought to the notice of the A.I.A.

536. Circuit armourers will examine, repair and re-brown, as necessary, the small arms, machine guns, mountings and bicycles of all units not provided with armourers, including units of the Supplementary Reserve, in the districts allotted to them.

537. It is the duty of an armourer not merely to carry out any particular repair to a small arm, machine gun, mounting or bicycle for which it may have been sent to him, but to ensure that the article is serviceable in every respect before it leaves his hands.

538. Armourers are not allowed to make any charge whatever against, or accept payment from, soldiers for work performed on stores held on unit charge.

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APPENDIX 1

(Referred to in paras. 18, 19, 99, 141 and 296)

INSTRUCTIONS FOR KEEPING EQUIPMENT LEDGERS

1. The ledgers will (subject to paras. 103, 119 and 261, and to **Appendix 2**) contain a record of all equipment received or issued. A regimental record of the stores detailed in **Appendix 4** will be maintained by the unit, showing the W.D. registered numbers, or where such do not exist, the maker's name and number. In the event of any of these articles having no such number, the remark "no identification mark exists" will be entered. This record will not be rendered for audit, but will be available for inspection by the local auditor. At home stations, and at stations abroad where there is a local auditor, the ledgers will remain open and in use until called for by the local auditor for audit. When so called for, they will be balanced and the balances carried into new ledgers. At stations abroad where there is no local auditor they will be balanced up to 30th September in each year, and will be forwarded with the vouchers in support, through the D.A.D.O.S., before 1st December to the War Office. The vouchers should be laid flat in the equipment ledger.

2. (a) Copies will be kept of all equipment ledgers sent for examination, except in cases where separate ledgers are kept for mobilization equipment, *see (b)*. Should any queries arise on the examination of the ledgers, copies of such queries and of the replies thereto will be retained by the accountant, who will correct his copy of the ledger accordingly.

(b) In cases where a separate ledger is maintained for mobilization equipment, it will be kept in original only as a "continuous" account, and will be balanced and rendered for audit at the same time as the ordinary peace equipment ledger. The "remain" at the end of each period will be shown immediately below the last transaction on each folio. A balance sheet will be prepared at the same time, which will be forwarded to the local auditor under separate cover. A.F. G 1098 may be used for this purpose, if considered suitable. After audit the ledger will be returned to the unit and will be continued in use until completely filled.

3. When equipment is transferred from one accountant to another, stock will be taken by the board referred to in para. 18

of these Regulations. Any stores found to be surplus will be brought on ledger charge by certificate receipt voucher, which will be signed by the officers who sign the certificate referred to in para. 5 of this appendix. Deficiencies will be struck off charge and dealt with as laid down in King's Regulations.

4. A balance will then be struck as directed in para. 15 of this appendix, which will show the total of each article of equipment for which the officer, who takes over command, is responsible.

5. The following certificate will then be furnished, and will accompany the equipment ledger when rendered for audit:—

We certify, in accordance with para. 18 of the Equipment Regulations, Part 1, that on the transfer of the equipment of the (a) _____ on the (b) _____ the whole has been inspected by us, and has been found to be properly appropriated, in good condition, and to agree in the quantities and numbers of the several articles actually in possession, with those shown in the equipment ledger, except the items shown on the accompanying statement (c).

President

Members {
.....

..... Officer giving over charge.

..... Officer taking over charge.

6. Os.C. detachments referred to in para. 110 of these Regulations will render equipment accounts in accordance with these regulations, so long as they remain independently detached.

7. When a detachment of infantry is attached to a battalion, the equipment will be transferred by voucher to the O.C. the battalion, but will be accounted for by him in a separate ledger, A.B. 239.

Upon such a detachment returning to its own unit or being transferred to another unit, the detachment ledger will be closed and rendered for audit, together with its vouchers, to the War Office or local audit office.

(a) Here insert the unit.

(b) Here insert the date.

(c) This statement should include the articles in possession of warrant officers, N.C.Os. and men temporarily detached (see para. 127).

8. On a unit being disbanded or embarking for India, the equipment ledger will, except as provided below, be balanced and forwarded to the local auditor (or to the War Office, in a command where audit is not local).

This instruction will not apply to units going to India in cases where an officer i/c details is appointed to await arrival of the relieving unit. In such cases the equipment ledger will be transferred to the officer i/c details (the procedure laid down in paras. 3 to 5 of this appendix being followed). The stores will be vouchered by him to the relieving unit on its arrival, and the ledgers will then be finally closed and rendered for audit.

9. Stores supplied in sets or as complete articles, for which a single heading is provided in the printed equipment ledger, will be so accounted for. Thus, chests with tools will be shown as "chests, tool, filled." A certificate will be given at the end of the ledger by the C.O. that the sets and tool chests are complete and contain the articles that should be comprised in them as detailed in the regulations. When articles charged in detail are taken on in the equipment ledger as sets, reference will be given to the paragraph or table of the regulations which gives the detail of the set. Articles drawn from the R.A.O.C. to replace losses, etc., in these sets will be taken on charge in the ledger, and the corresponding articles paid for or returned to store will be written off under the same heading.

Transactions in component parts of complete articles will be recorded in the ledgers in the same way (but *see* para. 103).

If the two transactions do not occur in the same period of account, explanatory cross references will be given on each of the vouchers concerned.

10. All transactions of receipt and issue that should be recorded in the ledgers will be posted therein as soon as possible after they occur, and will be supported by vouchers.

11. Vouchers for stores issued are called issue vouchers, and are posted on the right-hand or credit side. Vouchers for stores received are called receipt vouchers, and are entered on the left-hand or debit side of the ledger.

12. Both receipt and issue vouchers will be filled in by the insertion of the total numbers only in the column of the voucher headed "total number or quantity," the columns S. R. D. and U. being left for use of the R.A.O.C.

13. The ledger folios on which entries are made should invariably be recorded on the vouchers supporting the account in the column headed "ledger folio."

14. Receipt vouchers and issue vouchers will be kept distinct from each other, arranged consecutively according to date, and numbered on the face of the voucher in two distinct series from 1 upwards for the whole period of the account. The total number of each series will be stated on the inside cover of the ledger.

In the event of its being necessary to put up with the account blank vouchers to account for missing numbers, a brief explanation, signed by an officer, should be given on the blank vouchers. The addition of letters or sub-numbers to the numbers of vouchers is prohibited.

15. The ledger is balanced by adding up the receipts on the left-hand side, and the issues on the right-hand side of the ledger. The total issues are then brought over to the left-hand side and written immediately under the total receipts, the quantities left becoming the ledger balance, or "remain." The remain, when carried forward as the commencing line of the next account, is called the "state."

16. When the ledger has been balanced, the O.C. will certify (a) that the stores shown as remaining on charge at the close of the account have been verified and found to agree in quantities and numbers with those actually in possession of the unit; (b) that the regimental record mentioned in para. 1 has been correctly maintained; (c) that the registered numbers of the articles detailed in **Appendix 4** have been checked with those listed in the record and found to agree. When forwarding the ledgers for audit the C.O. will also certify that the account has been carefully checked by an officer appointed by him for that purpose, who will sign the ledger in evidence of such examination.

17. Officers will take care that the ledgers and vouchers are not ticked or altered with coloured pencil or coloured ink, and that no erasures are made. No entries in blacklead pencil should be made, either in the ledgers or on the vouchers. The duplicate copies of receipt vouchers, after being numbered as instructed in para. 14 of this appendix, will be signed in black ink or indelible pencil and returned to the consignor. Any necessary corrections will also be made in black ink or indelible pencil and will be duly initialled, in the case of vouchers by the person who signs the vouchers, and in the case of ledgers by the responsible accounting officer, but the original entries should remain legible.

18. In order to assist C.Os. in accounting for equipment distributed to companies, squadrons or detachments, A.F. B 292 for cavalry and A.F. B 293 for other arms will be rendered quarterly to the O.C., who will then compare the

totals of the stores shown in these returns with the numbers or quantities shown in the equipment ledger.

19. The attention of equipment accountants is specially directed to the provisions in the Regulations in regard to the following :—

*Paragraph of
Regulations.*

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Active Service

20. On receipt of orders to mobilize, the O.C. a unit of the Expeditionary Force will prepare to transfer the equipment account to the officer in charge of details left behind.

21. After the unit has been placed under orders for active service and before leaving its place of mobilization, the C.O. will write off charge in the ledger by certificate voucher the whole of the equipment taken by the unit.

22. The balance of the peace equipment, with the ledger, will be handed over to the officer in charge of details immediately prior to the unit leaving its place of mobilization for active service.

23. If after the ledger has been handed over, but prior to embarkation or taking the field, the C.O. issues stores or equipment to another unit or corps, he will notify the O.C. details, who will obtain a receipt from the receiving officer. The O.C. details will not enter the transaction in the ledger but will forward the receipt with the vouchers accompanying the account.

24. The O.C. details will arrange with the D.A.D.O.S. for the return of all surplus equipment in his charge to the R.A.O.C., and as soon as the men left behind have been transferred with their equipment, the ledger will be closed and rendered for audit.

25. If no officer of the unit is left with the details, the O.C. will apply to the G.O.C. to nominate an officer to carry out, in conjunction with the O.C. the unit, the above instructions.

26. Units of the Expeditionary Force formed on mobilization (except hospital ships) which do not exist in peace will not open equipment ledgers.

27. Units other than those allotted to the Expeditionary Force will not close their accounts on a general mobilization, unless ordered to do so by the War Office.

Re-opening Accounts on Demobilization

28. At the earliest possible date after the termination of hostilities, or on the return of the unit to peace conditions, a regimental board of officers will be assembled. This board will take stock in detail of all equipment in possession of the unit, whether supplied from store, purchased, captured, or commandeered, and the stock then found by the board will form the opening balance of a new equipment account, which will be kept thenceforward by the unit as a peace account. The stocktaking board will furnish the C.O. with a certificate that the stock, as entered in the state of the new ledger, agrees with the quantities as found by them, and this certificate will be forwarded with the account when it is rendered for audit.

29. On the earliest convenient opportunity after the opening of the new accounts, the stocks and the accounts of units will be checked by specially appointed officials or members of the local audit staff as may be decided by the War Office.

APPENDIX 2*

(Referred to in paras. 99, 294, 296, and in Appendix 1)

INSTRUCTIONS FOR ACCOUNTING FOR "A" AND "B"
VEHICLES—

1. For accounting purposes, "A" and "B" vehicles, their vehicle equipment, accessories and spare parts, will be divided into the following categories, viz. :—

- (a) Vehicles (including components which form part of the complete vehicle).
- (b) Vehicle outfits, that is, the items of equipment and tools issued with each vehicle on the scales given in **Appendix 26** for "B" vehicles, for P.E. lorries, and for armoured cars not equipped on any other scale, and in provisional scales of peace equipment for other "A" vehicles.
- (c) Machine tools issued as equipment of certain vehicles, *e.g.* workshop lorries.
- (d) Major spares and assemblies authorized in provisional scales of peace equipment for "A" vehicles.
- (e) Consumable stores, material, and spare parts usually of minor value, which are required for running repairs and cleaning purposes and are in common demand.

2. Categories 1 (a), (b), (c) and (d) above will be accounted for as ledger items; category 1 (e) as non-ledger items. (See also para. 14.)

3. Ledger items will be accounted for either on loose-leaf ledger sheets (A.F. G 823 for "A" vehicles, A.F. G 3927 for "B" vehicles), or, alternatively, in A.B. 165, as directed by the local auditor, or, in commands where there is no local auditor, by the War Office (F. 7). Units operating both "A" and "B" vehicles will use A.F. G 823 for both "A" and "B" ledger items. In addition, A.F. G 3928 (Bin Card) will be used by all units as a store tally card.

4. Ledger sheets will not be removed from the binders until the accounts for the year have been audited by the local auditor. The keys of the binders will be kept in the personal custody of the officer responsible for the account. Unused sheets will be kept by an officer under lock and key. All

* Provisional.

sheets will, when opened, be initialled by the officer responsible for the account, who will satisfy himself that the sheet is actually necessary for recording additional transactions or for opening a new account, and is not in substitution for an existing sheet.

5. On issue to a unit, whether as a permanent or temporary issue, each vehicle will be complete with all authorized components and full equipment according to the scale in **Appendix 26** for "B" vehicles, for P.E. lorries, and for armoured cars not equipped on any other scale, and in provisional scales of peace equipment for other "A" vehicles, and the R.A.O.C. issue voucher (A.F. G 982) detailing every separately accountable item, will either accompany or precede the vehicle, to enable the vehicle and its equipment to be checked by the consignee immediately on receipt. The authorized components will be detailed on the voucher "within the line," to denote that they are part of the vehicle, and not separately accountable items. "Within the line" means that the quantity of each item is shown, not in the quantity column, but in the designation column.

6. The vehicles (complete with components) and the various articles of equipment comprising the vehicle outfit, will be accounted for on separate ledger sheets (A.F. G 823 or A.F. G 3927) or in separate columns of A.B. 165.

7. One copy of the R.A.O.C. issue voucher (A.F. G 982), completed as in para. 5, will be filed in the A.B. 5 of the vehicle concerned, instead of A.F. G 1092 or G 1093, as heretofore. This voucher will constitute a permanent record of the equipment of the vehicle. Any subsequent authorized amendments to the scale of vehicle equipment will be recorded as they occur on a separate manuscript sheet, to be filed in the A.B. 5 behind the A.F. G 982.

8. For purposes of control of vehicle equipment within the unit, one additional certified copy of the R.A.O.C. issue voucher (A.F. G 982) will be maintained for each vehicle as the inventory of the actual vehicle's equipment, of which a portion may be in the driver's charge and a portion in unit store. This inventory will be corrected as necessary to show authorized additions or withdrawals of items of vehicle equipment, and the authority for such corrections, and will be endorsed with handing-over certificates on changes of driver. These amendments and certificates may, if desired, be recorded on a separate manuscript form to be attached to the A.F. G 982. The use of A.Fs. G 1092 and 1093 will be discontinued, except that completed copies for vehicles

already with units will be retained in A.B. 5 until such time as the vehicles are returned to R.A.O.C. for overhaul, exchange, etc., and on re-issue will be replaced by a copy of A.F. G 982 by the issuing depot.

9. To facilitate stocktaking, a recapitulation of all vehicle equipment issued on inventory to the vehicles of the unit will be kept in the stores office in the form of a schedule of inventories. The headings of the various items held on inventory with vehicles will be inserted across the top of the form. The W.D. numbers of the vehicles will be shown in a column on the left-hand side of the form, and opposite each number, under the appropriate headings, will be inserted the quantities of the various items held on inventory.

10. Vehicles on transfer from unit to unit, or from unit to R.A.O.C. depot, will always be complete with all authorized components and full outfits according to the scale in **Appendix 26** for "B" vehicles, for P.E. lorries, and for armoured cars not equipped on any other scale, and in provisional scales of peace equipment for other "A" vehicles.

A.F. G 1033 will be used as issue and receipt voucher for such transactions, and the voucher will be completed as laid down for A.F. G 982 in para. 5.

A copy of this issue voucher will be forwarded to the consignee before the vehicle is despatched, or else must accompany the vehicle, in order that the vehicle and its equipment can be checked immediately on receipt.

The W.D. number of the vehicle will be quoted on all vouchers and transit documents.

11. Ledger items of vehicle equipment required to replace unserviceable items will be indented for on A.F. G 997, and on receipt will be brought on charge in the usual manner, the unserviceable articles being struck off charge on return to R.A.O.C. or otherwise disposed of.

12. All ledger or tally card headings will be in alphabetical order and will show the part numbers and prices of the items concerned.

13. The non-ledger items referred to in 1 (e) above will be accounted for as follows :—

(1) Units will open a separate series of issue and receipt vouchers which will be distinguished by the prefix "N.L." Vouchers will be numbered consecutively throughout the year, beginning on the 1st April annually. The stores will not be brought on quantity ledger charge, but, for the purpose of unit control, will be recorded on any suitable form, *e.g.*, a tally card (A.F. G 3928), which will be opened for each item of

store drawn. Such form will record the price of the article as shown on the priced voucher on which the stores are received from the R.A.O.C.

(2) Issue from a unit's stock will be made on production of a requisition (A.B. 43) signed by the officer or non-commissioned officer in charge of the vehicles. The requisition will, when possible, show the W.D. number of the actual vehicle for which the stores are required.

(3) When making the issues, the necessary entries will be made on the form or tally card, and the requisition will then be filed by the storeholder to support the entry on the form or tally card.

(4) Issue and receipt vouchers for non-ledger stores drawn and returned will be priced by the ordnance depot. The value of the stores received by the unit (as indicated on the priced vouchers) will be recorded as follows :—

(a) **In the case of costed units.**—The vouchers will be passed through the R.A.P.C. clerk, who will record the transactions in his N.L. Stores Day-Book. At the end of each quarter, all receipts (less returns to ordnance of surplus stores, if any) will be written off and the net total value will be spread over the vehicles in the cost account on the basis of vehicle-days. Where, however, the value of any particular item of store issued to a vehicle appears to merit such treatment, the value will be charged direct to the vehicle to which issue is made, and will be excluded from the spread-over.

(b) **In the case of non-costed units.**—The vouchers will be filed separately in a guard book, together with a covering list on which the total value of each voucher will be shown. This list will be available to L.A.'s and C.I.A.'s representatives visiting the unit.

14. (1) Spare parts and assemblies (other than spares referred to in para. 1 (e) above) required to enable unit artificers to carry out modifications to vehicles under L. of C., etc., and repairs to, or replacement of, unserviceable parts will be dealt with as follows :—

(a) **Where stocks are actually held by units ("A" vehicles).**—Issues from unit store will be made on A.B. 43, but to obviate numerous daily ledger entries, the stores will not be struck off ledger charge until the last day of each month, when a recapitulation of the A.Bs. 43 will be made and the

stores written off charge by a certificate issue voucher (A.F. G 1033) supported by the A.Bs. 43.

- (b) **Where stocks are not held by units ("B" vehicles).**—The spare parts, etc., received from R.A.O.C. will not be accounted for either in the ledger (A.F. G 3927 or A.B. 165) or on tally cards (A.F. G 3928), but the voucher received from the R.A.O.C. will be enfaced "Incorporated in vehicle by A.B. 43 No." In such cases the A.B. 43 will be enfaced "NOT ISSUED FROM STOCK." Such components and spare parts will be issued by the R.A.O.C., on receipt of the unit's indent on A.F. G 997, without waiting for the return to store of the unserviceable items.

(2) The unserviceable items replaced will be accounted for as follows :—

- (a) In the case of "A" vehicles, the unserviceable items will be brought on ledger charge on the last day of each month by certificate receipt voucher (A.F. G 1033). Disposal of the unserviceable items will be by issue voucher to the R.A.O.C. or by transfer voucher to scrap metal after condemnation by the O.M.E., the scrap metal being subsequently disposed of under the orders of the D.A.D.O.S.
- (b) In the case of "B" vehicles all unserviceable items will be brought on charge by certificate receipt voucher (A.F. G 1033) in a ledger sheet headed "Stores condemned or awaiting condemnation" and struck off charge on return to R.A.O.C., the A.Bs. 43 concerned being enfaced with a reference to the certificate receipt vouchers. A separate ledger sheet is not necessary for each nature of these items.

15. Petrol and lubricants (R.A.S.C. supply) will be accounted for in accordance with the instructions in S.T. & B. Regulations.

16. A complete stocktaking of all stores in possession will be carried out once a year by the O.C. or by an officer deputed by him for that purpose. Continuous stocktaking is, however, permissible in units where A.F. G 823 or A.F. G 3927 is in use, provided that the whole of the stock on charge is verified in each year. Ledger sheets will be balanced on stocktaking only.

The results of stocktaking will be recorded on A.F. G 987, which will be available for inspection by the local auditor

when required. In commands where no local auditor has been appointed, A.F. G 987 will accompany the account when rendered for audit.

17. Rendering of accounts.—(a) In commands where there is a local auditor, loose-leaf ledger sheets (A. F. G 823 or A.F. G 3927) will be kept as a continuous account and will be audited locally or otherwise under arrangements made with the local auditor. The vouchers and stocktaking sheets will be forwarded to him when called for.

Accounts (other than those referred to in para. 15) which have been kept in A.B. 165, will be balanced and closed annually on 31st March, and will be rendered to the local auditor, together with the supporting vouchers, as soon after that date as possible.

(b) In commands abroad where no local auditor has been appointed, the ledger sheets will be balanced annually on 31st March and will be forwarded to the War Office (F. 7) as early as possible after that date, accompanied by the supporting vouchers. After audit the ledger sheets will be returned to the unit for further use.

In order to prevent interruption of work while ledger sheets are away from the station for audit, three sets of such sheets will be prepared ; these will be used in rotation and continue in use until completely filled.

Accounts (other than those referred to in para. 15) which have been kept in A.B. 165, will be balanced and closed annually on 31st March, and will be forwarded with the supporting vouchers to the War Office (F. 7) as early as possible after that date.

18. Cost accounting.—Cost accounts will be prepared in respect of a certain number of "A" and "B" vehicles. The names of the units whose vehicles are so selected for cost accounting are notified to commands by the War Office. The R.A.P.C. clerks attached to costed units will have access at all reasonable times to vehicle logs and supporting records, and will prepare for the O.C. unit from these records each quarter an account on A.F. N 7532. This account will be forwarded by the O.C., through the usual channels, to the Under-Secretary of State (M.G.O. 5 in the case of "A" vehicles, and M.G.O. 6 in the case of "B" vehicles), War Office, S.W.1.

APPENDIX 3

(Referred to in paras. 42, 97, 146 and 148)

SURVEYS ON THE EQUIPMENT OF TROOPS PROCEEDING TO
OR RETURNING FROM INDIA

A. Cavalry and Infantry Units

1. The equipment in possession of British cavalry and infantry units will be transferred, on payment, from the Imperial to the Indian Government, or *vice versa*, as on the date upon which the troops are transferred to or from Indian payment. A survey of equipment in possession will be held in order to afford a basis of adjustment between the War Office and the India Office.

2. (a) A survey will be held as follows :—

- (i) Units proceeding to India—as soon as possible after arrival in India.
- (ii) Units proceeding from India—as soon as possible after arrival at the Imperial station.

(b) The officer in charge administration in the command to which the unit proceeds will make the necessary arrangements for the survey, which will be conducted by a board constituted as under :—

A field officer, not of the unit concerned ...	President.
An officer of the unit (<i>see</i> (d) and para. 3) ...	} Members.
An ordnance officer (<i>see</i> (d))	

(c) The officer in charge administration will arrange for the attendance of a technical expert who will advise the board in regard to the condition of machine guns, small arms, optical instruments, etc.

(d) A warrant officer or senior N.C.O. with the requisite technical knowledge may serve as a member of the board.

3. Forms for use at the survey, showing the scale of stores and equipment to be taken by units of cavalry and infantry to and from India will be obtained by the C.O. of the unit from the headquarters of the command in which the unit is stationed two months before the proposed date of embarkation. The C.O. will then take immediate action for a preliminary inspection of equipment to be held by a representative (*see* para. 2 (d)) of the unit (who will also act as a member of the board on the unit's arrival at its destination), assisted by the unit's armourer and, whenever possible, a technical

expert for the examination of machine guns, small arms, optical instruments, etc.

4. The C.O. will be responsible that indents are submitted to complete the unit's equipment to the prescribed scale, and to replace those items reported by the representative conducting the preliminary inspection to be unserviceable, beyond local repair, and in the case of units in India, of Indian *pattern* (as distinct from stores of standardized pattern but of Indian manufacture).

5. The unit's equipment ledger will be balanced immediately prior to embarkation and a certified copy of the closing balances will be prepared by the O.C. for production to the Board as evidence of the quantity of equipment in the unit's possession on embarkation. Copies of vouchers in respect of stores received after the ledger has been closed will be retained by the unit for the information of the Board of Survey, and will be disposed of as directed in para. 11.

6. The C.O. will be responsible that the value of any deficiencies of equipment discovered at the preliminary inspection is immediately recovered from the person or persons responsible for the loss.

7. Immediately prior to the unit's embarkation, the C.O. will forward certificates to the D.A.D.O.S. of the area (or, in the case of units in India, the C.O.O. concerned) for transmission to the War Office (in the case of units proceeding to India) or the Military Department, India Office (in the case of units leaving India), showing (a) that all repairs, cleaning, etc., within the capacity of the unit have been effected; (b) that the equipment of the unit has been completed to the prescribed scale; or if the equipment is not complete to scale, a statement of deficient stores will be furnished together with particulars of indents on which items were demanded; and (c) that all stores in excess of the prescribed scale have been returned to ordnance stocks.

8. Immediately after the unit's embarkation the D.A.D.O.S. or the C.O.O. will forward to the War Office or to the Military Department, India Office, as the case may be, a complete list of the stores which were due on indent to the unit, but which were not issued prior to its embarkation.

No stores will be dispatched to the unit after its embarkation except on the specific instructions of the War Office or the India Office.

9. On arrival at the new station, immediate arrangements will be made for a detailed examination of equipment by a Board of Survey as laid down in para. 2. The forms for the

use of the Board will be prepared prior to the assembly of the Board as directed on the form, to show the particulars of equipment brought from the preceding station. The numbers of items should accord with the final balances of the previous equipment ledger (plus stores received after the closing of the ledger, *see* para. 5). The value of any items on charge, but not produced to the Board, or satisfactorily accounted for, will be recovered from the unit under instructions of the War Office or India Office. Stores which may have been issued to the unit subsequent to its arrival at the new station will not be included, and such stores will not be inspected by the Board.

10. The Board will classify the stores into two categories, viz. serviceable and unserviceable.

- (a) Serviceable stores will include all stores which were (except as provided below) in a serviceable condition on the date of embarkation *for* India, or the date of disembarkation at an Imperial station.

Machine guns, rifles and pistols which are beyond local repair will be classified as serviceable, a note being made by the Board of the number of items so affected.

- (b) Unserviceable stores will include those unserviceable, obsolete and items requiring factory repair (except as laid down in (a) above), and, in the case of units which have left India, stores of Indian *pattern* (as distinct from stores of standardized pattern but of Indian manufacture).

In cases in which stores have been rendered unserviceable as a result of wilful damage or negligence on the part of a soldier (or number of soldiers) during the voyage, the Board will so indicate, and the *serviceable* value of the stores will be recovered from the soldiers concerned and credited to Indian revenues under the orders of the India Office or the Controller of Military Accounts. With regard to any other unserviceable stores the Board will indicate whether, in their opinion, the stores were in serviceable condition when the unit embarked.

11. On the termination of the survey, the Board will complete their report in triplicate, and one copy will be handed to the C.O. of the unit as a voucher to be rendered with the equipment ledger. The other two copies accompanied by the vouchers referred to in para. 5 will be forwarded, through the General or other Officer in Charge, Administration, to the War Office in the case of units which have proceeded to India and to the Military Department, India Office, in the case of units which have proceeded from India.

12. Any stores in possession of a unit joining the Imperial Establishment which are stated by the Board to be unserviceable, obsolete or beyond local repair or of Indian *pattern* (as distinct from stores of Indian manufacture) will be retained by the unit until disposal instructions have been received from the India Office.

Unserviceable, etc., stores in possession of a unit joining the Indian Establishment will be forwarded to an ordnance depot under the instructions of the C.O.O., and disposed of. The produce value will be remitted to the Controller of Military Accounts who will give credit to Imperial revenues and notify particulars of the amount, together with the details of the account in which credit will be afforded, to the Military Department, India Office.

13. Any stores taken to or from India in excess of the prescribed scale will, unless accepted by the Government to which the unit has been transferred, have to be paid for by the unit, or returned to the stocks of the Government to which they belong at the expense of the unit.

14. Should the survey be unduly delayed from any cause, an immediate report will be made by the General or other Officer in Charge, Administration, to the War Office or to the India Office.

B. Other Units

15. Units other than cavalry and infantry normally move equipped as drafts. The procedure will follow that laid down in Section C hereunder.

C. Drafts

16. The small arms and equipment of drafts, except those of the Hong Kong Mule Corps, will be dealt with as detailed below. Care must be taken in all cases to ensure the replacement of unserviceable articles prior to embarkation. Ordinary receipt and issue vouchers will be prepared and forwarded, immediately after embarkation, to the unit or units in India to which the men have been posted. A copy of A.F. G 1033 will also be forwarded to the Controller of Military Accounts through the Embarkation Commandant at the port of disembarkation in India.

The Hong Kong Mule Corps will be subject to special regulations which will be communicated from time to time to all concerned.

WARRANT OFFICERS, NON-COMMISSIONED OFFICERS AND
MEN

(a) In ordinary circumstances will proceed to or return from India unarmed, but will take the following articles of equipment :—

(i) If equipped with web equipment :—

Haversacks (with brace with buckle).

Water-bottles (with carrier and brace with buckle).

Mess-tins.

(ii) In all other cases :—

Haversacks (with brace with buckle where necessary).

Water-bottles (with carrier and shoulder strap).

Mess-tins (with strap).

(iii) Sam Browne accoutrements by warrant officers where authorized under E.R., Part 2.

(b) When special instructions are issued by the War Office, or the Government of India, warrant officers, N.C.Os. and men will proceed to or return from India with such small arms and equipment as may be directed.

(c) MS. returns for small arms and equipment referred to in (b) will be rendered to the War Office, showing numbers and condition of each article, and giving a reference to the special instructions issued.

(d) Warrant officers, N.C.Os. and men who, on arrival from India, are in possession of equipment which has been improperly marked will be required to pay the cost of each article defaced.

17. A draft proceeding to join at an intermediate port a unit which is to embark for India on the same ship will be equipped as a draft proceeding direct to India; if, however, the draft is to disembark at an intermediate port to join a unit which is subsequently to embark for India, the draft will be equipped as a draft proceeding to the station abroad at which the unit is serving.

APPENDIX 4

(Referred to in paras. 58, 77 and Appendix 1)

List of stores the registered numbers of which are to be entered in the regimental record maintained by the unit, and to be quoted on vouchers and packing notes.

Section C.1

Guns, machine, Hotchkiss, .303-in.
 „ „ Lewis .303-in.
 „ „ Vickers .303-in.

Section C.2

Bicycles.

Section V.1

Anemometers, electrical.

Apparatus, illuminating sight.

„ rangefinding, attachments, horizontal.

„ „ brackets, horizontal, receiver, microphone.

„ „ position finders.

Binoculars, night.

„ prismatic and non-prismatic.

Boards, camera, auto-developing.

„ galvo., einthoven.

Cases, stand, director.

Chronographs, Jacquet.

Clinometers, field.

„ inspectors.

„ sight.

„ Vickers .303-in. machine gun.

Directors.

Galvos., einthoven.

Height and Rangefinders.

Instruments, angle of sight.

Lanterns, galvo.

Lath, adjusting artillery rangefinders.

Monoculars, prismatic.

Motors, series, sound-ranging.

Parallelosopes.

Periscopes, Nos. 14A, 25 and 31.

Plotters, field.

„ observation of fire.

Predictors, 3-in. 20-cwt. H.A.

Range, artillery miniature.

Rangefinders, artillery.

„ depression.

„ infantry.

Relays, starting, S.R.

Sights, dial.

Stands, artillery rangefinders.

„ field artillery telescope.

„ paralleloscope.

„ signalling telescope.

„ stereometer.

„ stereoscopic telescope.

„ variable power telescope.

Switches, power, S.R.
 Telescopes, garrison.
 " marine.
 " sighting.
 " signalling.
 " stereoscopic.
 " variable power.
 Testboards, 40 pair test and balancing.
 Tuning forks, S.R.

Section V.2

Alidades, telescopic.
 Barometers, aneroid.
 " standard.
 Clinos, Indian.
 Compasses, magnetic, pocket.
 " prismatic.
 " " liquid.
 Levels, telescopic.
 Sextants, pocket.
 Theodolites.
 Watches, G.S.
 " R.A.
 " stop.

Section W.1

Dials, miners.
 Gauges, pressure, standard

Section W.2

Bridgemegger, 500 volts, 40 megohms
 Coils, resistance.
 Exploders, dynamo.
 Galvanometers.
 Meg, insulating testers.
 Torches, signalling.
 Volt-ammeters.

Section X

Generating sets (engine, magneto and dynamo members)

Section Z

Amplifiers.
 Compasses, magnetic, W.T.
 Charging sets.
 Engines.
 Galvos.
 Generators.
 Magnetos.
 Measuring sets—
 Aerial.
 Capacity.
 Inductance.
 Oscillators, C.W., valve.
 Power units.
 Reception sets
 Senders.
 Tachometers, hand, 12,000 r.p.m.
 Voltmeters, pocket.
 Watches, non-magnetic, W.T.
 Wavemeters.
 W.T. sets.

All vehicles.

All items of equipment which have history sheets, log books, or similar records belonging to them.

APPENDIX 5

(Referred to in para. 222)

RETURN OF DEFICIENCIES IN MOBILIZATION EQUIPMENT AND RESERVISTS' OUTFITS

On charge of (unit)

(Station)

(Date)

Number of Reservists on books

Reservists' outfits actually stored—

Rifles..... Pistols Cavalry swords

Accoutrements, sets Clothing, sets

Necessaries, sets

To be completed by unit.			To be completed by R.A.O.C.		
Description of Stores.	No. or quantity deficient.	Indent No. and date on which demanded.	Action taken under R.A.O.S., Part I, 1929, para. 522	I.O. Nos. of demands for stores due from C.O.Ds (para. 7 (a), A.F. G 1081)	Remarks of C.O.O., C.O.D., as to state of supply, (para. 7 (a), A.F. G 1081)

APPENDIX 6

(Referred to in paras. 352, 354, 358 and 534)

TOOLS FOR ARMOURERS

TABLE 1.—Tools and Gauges for the Repair of Rifles, etc.

Description.	Quantity allowed.	Remarks.
<i>Section B.1</i>		
Pullthroughs, gauze ... pieces	1	
<i>Section B.3</i>		
Boxes, tool, armourers', Mk. II ...	1	
Anvils, stock ...	1	
Braces, armourers', Mk. III ...	1	
Bits, cleaning ...	1	For use with brass wire.
„ rimer, $\frac{1}{2}$ round ...	1	
„ 5-square ...	1	
„ stock-bolt ...	1	
Clams, No. 1, pairs—		
“ A ” ...	1	
“ B ” ...	1	
No. 2 ...	1	
Corks ...	4	
Drifts, armourers'—		
No. 1 ...	1	
No. 2 ...	1	
No. 3 ...	1	
No. 4 ...	1	
No. 5 ...	1	
Floats, large ...	1	
„ small ...	1	
Gauges, armourers'—		
.052-in. ...	1	
.064-in. No. 1 ...	1	
.074-in. No. 1 ...	1	
Hammer point ...	1	
Plug .303-in. ...	1	
Stock-bolt ...	1	
Striker point, No. 1 ...	1	
Keys, sight, ...	1	For units armed with telescopic-sighted rifles. Held by R.A.O.C. for re-issue when telescopic rifles are re-issued to units.
Mandrels, No. 4 or 5 ...	1	
		Armourers of mounted corps only. Pattern of mandril to follow scabbard in possession.

TABLE 1.—*continued*

Description.	Quantity allowed.	Remarks.
<i>Section B.3—continued.</i>		
Mandrils, No. 1	1	
„ No. 2	1	
„ No. 3	1	
Pincers, armourers'	1	
Plates, screw, and taps, S.A.—		
Plates, A. to F.	6	One of each, Plates, screw, 20 taps, 20 holes may be issued in lieu of Plates A. to E.
Taps, Nos. 1 to 13—		
Plug	13	One of each.
Taper	13	One of each.
Wrenches	1	
Pots, glue, $\frac{1}{2}$ -pint	1	
Screwdrivers—		
Armourers', large	2	
„ small	1	
Extractor screw	1	
Forked, No. 1	1	
„ No. 2	1	
„ No. 3	1	
Sticks—		
Buff	3	
Carborundum	1	
Testers, trigger	1	
Tools—		
Bore—		
Bits	6	
Bushes	2	
Plugs	1	
Rods	1	
Cleaning—		
Bushes	1	To be placed on No. 2 rod to make it suitable for Rifles Nos. 1 and 3. Not required if No. 4 rod is in possession.
Guides, No. 2	1	Remove the nose-cap before attaching the guide.
Rods, No. 1	1	For jute.
Rods, No. 2	1	For use with brass wire. Must be fitted with bush. Not required if No. 4 rod is in possession.
Rods, No. 4	1	For use with brass wire.
Sticks	1	
Foresight—		
Cramps, No. 1	1	
Punches	1	
Sight line	1	
Scribers	1	
Spring, extractor	1	
Striker, No. 1	1	

TABLE 1.—*continued*

Description.	Quantity allowed.	Remarks.
<i>Section B.3—continued.</i>		
<i>Tools—continued</i>		
Striker, No. 2	2	
Wad	1	
Vices, parallel, armourers'	1	
<i>Section C.1</i>		
Gauges, concentricity of magazines, Lewis .303-in. M.G., Mk. I	1	For infantry battalions only.
Gauges, striker point, Lewis .303-in. M.G., Mk. I	1	For units equipped with Lewis machine guns.
Jacks, Lewis .303-in. M.G., Mk. I	1	
Tools, magazines, Lewis, .303-in. M.G., Mk. I	1	For infantry battalions only.
Tools, repairing, mounting, tripod, .303-in. M.G., Mk. IV—	}	For units equipped with Mk. IV tripod mountings.
Punch, swaging—		
Plain	1	
Ring	1	
Reflectors, .303-in. M.G., Mk. I	1	
<i>Section F</i>		
Braces, carpenters'—		
Bits—		
Countersink, rose	1	
Rimer	1	
Screwdriver, $\frac{3}{8}$ -in.	1	
Brushes, sash, tool, No. 8	1	
Cans, oil, lubricating, conical	1	
Chisels—		
Cold $\frac{1}{2}$ -in.	1	
Firmer—		
$\frac{1}{2}$ -in.	1	
$\frac{1}{2}$ -in.	1	
$\frac{3}{4}$ -in.	1	
Drills, stock, hand	1	
„ twist, parallel shank $\frac{1}{2}$ -in.	1	
„ „ „ „ $\frac{3}{8}$ -in.	1	
„ „ „ „ $\frac{1}{2}$ -in.	1	
„ „ „ „ $\frac{1}{2}$ -in.	1	
„ „ „ „ $\frac{1}{2}$ -in.	2	
„ „ „ „ $\frac{1}{2}$ -in.	5	
„ „ „ „ $\frac{1}{2}$ -in.	12	
„ „ „ „ $\frac{1}{2}$ -in.	16	
„ „ „ „ $\frac{1}{2}$ -in.	22	
„ „ „ „ $\frac{1}{2}$ -in.	28	
„ „ „ „ $\frac{1}{2}$ -in.	30	
„ „ „ „ $\frac{1}{2}$ -in.	35	
„ „ „ „ $\frac{1}{2}$ -in.	42	
„ „ „ „ $\frac{1}{2}$ -in.	47	
„ „ „ „ $\frac{1}{2}$ -in.	52	
„ „ „ „ $\frac{1}{2}$ -in.	58	
„ „ Morse, No.	1	

TABLE 1.—*continued*

Description.	Quantity allowed.	Remarks.
<i>Section F—continued.</i>		
Files—		
Bastard—		
Flat, 6-in.	2	
Half-round, 6-in.	2	
" 8-in.	1	
" 10-in.	1	
Round, 8-in.	1	
Square, 8-in.	1	
Knife { 4-in.	1	
" 6-in.	1	
Dead smooth, half-round, 6-in. ...	1	
Saw, taper, second cut, single—		
3-in.	2	
8-in.	1	
Second cut—		
Hand, safe-edge, 8-in.	1	
" " 12-in.	1	
Half-round, 4-in.	1	
Round, 4-in.	2	
Warding, cut on both sides, 4-in.	2	
Smooth—		
Flat, 6-in.	1	
Half-round, 4-in.	1	
" 6-in.	2	
" 8-in.	1	
Hand, safe-edge, 4-in.	1	
" " " 6-in.	1	
" " " 8-in.	1	
Pillar, 5-in.	2	
Round, 4-in.	1	
" 6-in.	1	
Three-square, 4-in.	1	
Files, handles—		
Small	6	
Large	6	
Gouges, firmer, ground outside—		
1-in.	1	
1-in.	1	
1-in.	1	
Grinders, emery wheel, 6-in.		
Hammers, carpenters', Warrington		
pattern, 8-oz.	1	
" engineers', ballpane, 1-lb.	1	
Irons, soldering, straight, 1½-lb.		
Lamps, brazing, 2-pint		
Mallets, raw-hide		
Oilstones, fine		
" slips, Arkansas	1	
Planes, smoothing		
Pliers, flat nose		
" round nose, 6-in.	prs.	1

TABLE 1.—*continued*

Description.	Quantity allowed.	Remarks.
<i>Section F—continued.</i>		
Rasps, carpenters'	1	For units armed with tele- scopic-sighted rifles. Held by R.A.O.C. for re-issue when telescopic rifles are re-issued to units.
Rules, steel, 1-ft.	1	
Saws, hack, 12-in.	1	
„ „ blades medium	6	
„ tenon, 14-in.	1	
Screwdrivers, instrument makers' sets	1	
Shears, tinmans' snip	1	
Spanners, adjustable, 7-in.	1	
Stamps, steel, for metal, $\frac{5}{16}$ -in.—		
Figures 0 to 8	1	
Letters	1	
Dash lines	1	
Tongs, smiths', flat, small	1	
Vices, hand, 4-in.	1	
<i>N.I.V.</i>		
Files, smooth knife, 4-in.	1	
<i>Section Q.2</i>		
Cartridges, small arm, dummy, .303-in.		
"U," Mk. V	20	

TABLE 2.—Detail of Contents of Bags,
Armourers', S.A.

NOTE.—On mobilization the tools, etc., detailed below are to be taken from those held on charge during peace.

Description.	No.
<i>Section B.1</i>	
Pullthroughs—	
Double, Mk. I "A"	(a)
Cords, double	(a)
Gauze	(b)
Cooking, pieces, No. 1 "B"	5
Heads, breech bolt, No. 1	(c)
Screws, swivel	10
Sears, No. 1	5

TABLE 2.—*continued*

Description.	No.
<i>Section B.3</i>	
Braces, armourers', Mk. III	1
Bits, stock-bolt	1
Gauges, armourers', plug, .303-in.	1
Keys, sight	1 (d)
Implements, action, No. 1, Mk. II	1 (e)
Pincers, armourers'	1
Screwdrivers—	prs.
Armourers', large	1
" small	1
Extractor screw	1
Sticks, carborundum	1
Tools—	
Bore—	
Bits	6
Bushes	2
Rods	1
Striker, No. 1	1
" No. 2	1
Wad	1
<i>Section C.1</i>	
Gauges, concentricity of magazines, Lewis .303-in., M.G., Mk. I... ..	1 (g)
Gauges, striker point, Lewis .303-in. M.G., Mk. I	1 (f)
Tools, magazine, Lewis .303-in., M.G., Mk. I	1 (g)
<i>Section F</i>	
Files, smooth, flat, 6-in.	1
Hammers, carpenters', Warrington pattern, 8 oz.	1
Files, handles—	
Small	1
Screwdrivers, instrument makers'	sets 1 (d)
<i>Section H.1</i>	
Cloth, emery, No. F	2
<i>Section Q.2</i>	
Cartridges, small arms, dummy, .303-in. "U," Mk. V	20

- (a) 2 for each regiment of cavalry ; 3 for each battalion of infantry.
 (b) 20 for each regiment of cavalry ; 30 for each battalion of infantry.
 (c) 15 for each regiment of cavalry ; 10 for each battalion of infantry.
 (d) For units supplied with telescopic-sighted rifles.
 (e) Issued only on mobilization.
 (f) For units equipped with Lewis machine guns.
 (g) For infantry battalions only.

TABLE 3.—Tools for Circuit Armourers

The following additional tools will be supplied to armourers when they become circuit armourers.

Description.	Quantity allowed.	Remarks.
<i>Section B.3</i>		
Boxes, components, Mk. I	1	
Gauges, armourers'—		
Plugs—		
.307-in.	1 (a)	
.308-in. No. 2	1 (a)	
.310-in.	1 (a)	
Lead, No. 2	1 (a)	
Rods, Mk. II	1 (a)	
Mandrels—		
No. 4	1	
No. 7	1	

(a) To be obtained from R.A.O.C. when required by circuit armourers at home and abroad. At stations abroad these gauges may also be issued on loan to regimental armourers when the services of the circuit armourer are not available.

TABLE 4.—Tools for Repair of Bicycles

(Referred to in para. 358)

Description.	No.	Remarks.
<i>Section C.2</i>		
Bits, screwdriver, pedal pin	1	
Brushes, bicycle	1	
Clamps, bicycle	1	
Hammers, bicycle	1	
Injectors, paraffin	1	
Punches, bicycle	1	
Scissors, bicycle	1	
Spanners, bicycle—	prs.	
Box, hexagon	1	
Box, square	1	
Nipple	1	
Thick	1	
Thin	1	
Valve	1	
<i>Section F</i>		
Brushes, lacquer—		
$\frac{1}{2}$ -in.	2	
1-in.	2	

TABLE 5.—Tools for repair of Bicycles, to be obtained from R.A.O.C. on loan when required

(Referred to in para. 354)

Description.								No.
<i>Section C.2</i>								
Dies, spoke	...	...	...	...	...	...	...	1
Holders, dies	...	...	...	...	...	...	...	1
Moulds	...	...	...	...	...	...	prs.	1
Stocks and dies, bicycle	...	...	...	...	...	...	sets	1
Straightedges, bicycle	...	...	...	...	...	...	...	1
<i>Section F</i>								
Files—								
Bastard, hand, safe-edge, 6-in.	...	...	...	...	...	...	...	1
Second cut, half-round, 4-in.	...	...	...	...	...	...	...	1
Smooth, round, 4-in.	...	...	...	...	...	...	...	1
Handles, small	...	...	...	...	...	...	...	3
<i>Section L</i>								
Pots, cooking, 2-gallon	...	...	...	...	...	...	...	2

APPENDIX 7

TABLE 1.—Detail of Contents of Bags, Armourers', Bicycle

(Referred to in para. 358)

Description.								Number for each bag.
<i>Section C.2</i>								
Ball-head—								
Nuts, clip (a)	...	...	...	...	...	...	...	2
Screws, clip	...	...	...	...	...	...	...	2
Balls, antifriction—								
$\frac{1}{8}$ -in.	...	...	...	...	...	...	doz.	10
$\frac{3}{16}$ -in.	...	...	...	...	...	...	„	12
$\frac{1}{4}$ -in.	...	...	...	...	...	...	„	8
Bottom brackets—								
Cotters	...	...	...	...	...	...	...	10
Cups	...	...	...	...	...	...	...	6
Nuts, cotter	...	...	...	...	...	...	...	10
„ pin, locking	...	...	...	...	...	...	...	6
Pins, locking	...	...	...	...	...	...	...	6
Screws, chain wheel	...	...	...	...	...	...	...	12
Washers, cotter	...	...	...	...	...	...	...	10

TABLE 1.—*continued*

Description.	Number for each bag.
<i>Section C.2—continued</i>	
Brakes—	
Nuts	32
Pads	40
Washers, shoe-lug	20
Brakes, front—	
Springs	2
Brakes, rear—	
Bolts, axis, hanger	4
„ axis, lever, bell-crank	4
„ clip, fork, back	4
„ clip, lever, bell-crank	4
„ clip, lever, rocking	4
„ spring, lever, rocking	4
Bushes, lever, rocking	4
Nuts, axis, lever, bell-crank	4
„ bolt, spring, lever, rocking	4
„ clip, fork, back	12
Springs, lever, rocking	4
Stops, lever	4
Washers, levers	8
Chains, bicycle—	
Bolts	10
Couplings	6
Links	6
Nuts	10
Chain adjustment—	
Adjusters	6
Nuts	10
Frames, bicycle—	
Nuts, seat-lug	2
Screws, seat-lug	2
Hubs, back, coaster—	
Clutches, brake	4
Cones, adjustable	4
Levers, brake	4
Nuts, clip	6
„ clutch	4
Screws, clip	4
Spindles	4
Hubs, back, coaster and free-wheel—	
Cages, No. 1	10
„ No. 2	6
Cups, clutch	8
Nuts, spindle	12
Washers	12
Hubs, back, free-wheel—	
Cones	8
Nuts, clutch	4
Spindles	4
Washers, stop	4
Hubs, front—	
Cones, adjustable	2
„ fixed	2
Nuts	4
Spindles	2
Washers	4

TABLE 1.—*continued*

Description.							Number for each bag.
<i>Section C.2—continued</i>							
Lubricators—							
Spring lid, $\frac{3}{8}$ -in.	...	...	...	...	...	...	6
Pedals—							
Caps ...	...	...	...	...	...	...	6
Cones ...	...	...	...	...	...	...	6
Nuts, locking	...	...	...	...	...	...	6
Pins, left	...	...	...	...	...	...	6
„ right	...	...	...	...	...	...	6
Rings ...	...	...	...	...	...	...	6
Pumps, bicycle—							
Connections ...	...	...	...	...	...	...	6
Cups ...	...	...	...	...	...	...	6
Tyres, bicycle—							
Covers, Mk. II	...	...	...	...	...	...	2
Tubes, Mk. II	...	...	...	...	...	...	4
Wheels, bicycle—							
Nipples	...	...	...	...	...	...	24
Spokes	...	...	...	...	...	...	24
Washers, spoke	...	...	...	...	...	...	24

(a) To be demanded as Frames, bicycle, nuts, seat-lug.

TABLE 2.—**Materials for Lighting, Cleaning and Preservation of Bicycles***(Referred to in para. 459)*

ANNUAL SUPPLY. PEACE ONLY

Description.							Number or quantity for each bicycle.
<i>Section C.2</i>							
Brushes, bicycle	...	...	...	...	...	...	1
<i>Not in Vocabulary</i>							
Linen or cotton, old	...	...	...	...	...	lb.	1½
Oil, paraffin (a)	{ (for cleaning purposes)				...	quarts	1
	{ (for replenishing lamps)				...	„	2
Wick (a)	...	...	...	...	...	...	As necessary.
<i>Section H.1</i>							
Oil, M.80	...	...	...	...	...	pints	1
Tallow	...	...	...	...	...	lb.	1
<i>Section H.2</i>							
Cotton, wool (for replenishing lamps)	...	...	...	...	...	oz.	1

(a) To be drawn from R.A.S.C.

APPENDIX 8

(Referred to in para. 463)

Specimen Page of Bicycle Log Book

Date of Inspection.	Remarks as to condition.	Signature of Inspecting Officer.	Bicycle Reg. No. 47112 C.	
			Report on adjustment of defects and losses.	Signature of Officer Commanding.
13/4/31	Good, but oil-can deficient. Private Haldane responsible.	J. Lowe, Lt.	—	—
20/4/31	Good, oil-can still deficient. Handbook-deficient. Rider, Private Haldane.	J. Lowe, Lt.	Oil-can and Handbook—Replaced 24/4/31.	J. Carter, Capt., for O.C.
27/4/31	In very good order and condition.	H. Black, 2/Lt.	—	—
4/5/31	In very good order and condition.	J. Lowe, Lt.	—	—
11/5/31	Frame cracked. Front wheel buckled. Left crank broken and bicycle generally smashed up. Rider, Private Smith.	K. Richardson, Capt.	Bicycle condemned as beyond local repair. Exchanged for Reg. No. 37896 by R.A.O.C. Pte. Smith to pay £3—H.Q. C.R./3167.	R. Jones, Lieut.-Colonel, O.C.

APPENDIX 9

(Referred to in paras. 427, 430, 432, 436, 453 and 534)

MATERIALS FOR PRESERVATION AND REPAIR OF SMALL ARMS AND MACHINE GUNS

MATERIALS FOR REPAIRING SMALL ARMS

Units in possession of a greater or less number of small arms than those for which scales are laid down will indent for proportionate quantities.

Infantry depots (except Guards depot) will obtain materials in accordance with E.R., Part 2, Section 1 (a).

Fractional results should be taken as whole numbers, and allowance should be made for any number in possession of the unit.

The patterns of small arms for which components are required should be stated on indents.

In the case of mobilization small arms, particular care must be taken to ensure that the authorized proportions of components suited to each mark of small arm are at all times stored in accordance with the various mobilization store tables.

Items required for repair of the small arms of units unprovided with armourers will be demanded and accounted for by the officer whose armourer is detailed to perform the work.

TABLE 1.—Materials for Repair of Rifles, No. 1,
Marks III and III*

Description.	Annual proportion for 1,000 arms.	Remarks.
<i>Section B.1</i>		
Bottles, oil, Mk. IV—	.	
Stoppers (a)	3	
Washers (a)	12	
Pullthroughs—		
Cords, single (b)	1,200	
Gauze (c)	800	
Bands, outer, No. 1	6	
Blades, foresight, No. 1	26	Sizes as required.

(a) Mk. II for Mk. II Bottles, oil, Mk. III for Mk. III and IV Bottles, oil.

(b) 3,000 may be issued in Malaya.

(c) 2,250 may be issued in Bermuda, Ceylon, China, Egypt, Gibraltar, Jamaica and Mauritius; 5,000 may be issued in Malaya.

TABLE 1.—continued

Description.	Annual proportion for 1,000 Arms.	Remarks.
<i>Section B.1—continued</i>		
Bolts—		
Breech, No. 1	9	
Locking, No. 1	30	
Stock, No. 1	2	
Brackets	3	
Caps—		
Backsight, No. 1	4	For Leaves, Backsight, No. 1 "B."
Handguard, No. 1	3	
Nose, No. 1	4	
Cases, magazine, No. 1 { ^A (d) { ^B	1 12	
Catches—		
Magazine, No. 1	3	
Safety, No. 1	7	
Slide, backsight, No. 1	2	
Clips, stop, No. 1 (e)	1	
Cocking-pieces, No. 1 "B"	20	
Collars, No. 1	8	
Cut-offs, No. 1 (g)	10	
Discs, marking	10	
Extractors, No. 1	40	
Guards, hand, No. 1 {Front {Rear	30 30	} 45 for mounted units.
Guards, trigger, No. 1	2	
Heads, breech bolt, No. 1	30	
Heads, screw, windgauge, No. 1 (f)	2	For Leaves, Backsight, No. 1 "A."
Leaves, backsight, No. 1 "B"	4	
Nuts, cap, nose, No. 1	4	
" protector, No. 1	4	
Pins—		
Axis, backsight, No. 1	10	
Catch, magazine, No. 1	2	
Head, screw, windgauge, No. 1 (h)	2	For Leaves, Backsight, No. 1 "A."
Stop, bolt, locking, No. 1	12	
Trap, butt plate, No. 1	2	
Trigger, No. 1	5	
Washer, backsight, No. 1	12	
Worm, No. 1	2	
Plates, butt, No. 1	10	5 for mounted units.
" stock-bolt, No. 1	4	

(d) When required to be replaced, Cases No. 1 "B," with Platform No. 1 "B," which have springs attached, and Springs, Auxiliary, Magazine, No. 1 "B," should be indented for.

(e) Not for Cases No. 1 "B"

(f) When stock of M.L.E.R.S., Mk. III, No. 1 (N.I.V.) is used up.

(g) For Mk. III rifles only.

(h) For No. 1 and 2 Heads respectively.

TABLE 1.—*continued*

Description.	Annual proportion for 1,000 Arms.	Remarks.
<i>Section B.1—continued</i>		
Platforms, magazine { No. 1, A (i)	1	
{ No. 1, B (j)	12	
Protectors, No. 1	3	
Rivets, spring, handguard, No. 1	6	
<i>Screws—</i>		
Band, inner, No. 1	10	
Bracket	9	
Cap, backsight, No. 1	7	
,, handguard, No. 1	3	
,, nose, back, No. 1	6	
,, nose, front, No. 1	32	
Catch, slide, backsight, No. 1 ...	2	
Cut-off, No. 1 (k)	2	
Discs, marking	10	
Ejector, No. 1 "B"	18	
Extractor, No. 1	20	
Guard, trigger, back, No. 1	14	
,, trigger, front, No. 1	12	
Plate, butt, No. 1	12	
Protector, No. 1	3	
Sear, No. 1	7	
Spring, bolt, locking, No. 1	10	
,, sight, back, No. 1	6	
,, trap, butt-plate, No. 1 ...	2	
Striker, No. 1	12	
Swivel	26	
Windgauge, No. 1	2	
Sear, No. 1	15	For Leaves, Backsight, No. 1 "A."
Slides, backsight, No. 1	3	
<i>Springs—</i>		
Auxiliary, magazine, No. 1		
" A " (l)	2	
,, magazine, No. 1		
" B " (m)	10	
Bolt, locking, No. 1	30	
Catch, slide, backsight, No. 1 ...	4	
Extractor, No. 1	44	
Guard, hand, No. 1	2	
Main, No. 1	16	
Platform, No. 1 "A" (n)	2	
Retaining, No. 1	8	

(i) For rifles fitted with Cases No. 1 "A."

(j) With spring assembled for "B" cases only.

(k) For rifles No. 1, Mk. III, only.

(l) For No. 1 "A" magazine cases only.

(m) For No. 1 "B" magazine cases only.

(n) For No. 1 "A" platforms only. No. 1 "B" platforms are issued complete with spring attached.

TABLE 1.—*continued*

Description.	Annual proportion for 1,000 arms.	Remarks.
<i>Section B.1—continued</i>		
Springs (continued)—		
Screw, band, inner, No. 1 ...	6	For Leaves, Backsight, No. 1 "A."
Screw, windgauge, No. 1 ...	2	
Sear, No. 1 ...	10	
Sight, back, No. 1 ...	2	
Stud, fore-end, No. 1 ...	3	For Leaves, Backsight, No. 1 "A."
Trap, butt-plate, No. 1 ...	4	
Windgauge, No. 1 ...	10	
Stocks, butt, No. 1—		
Bantam ...	1	25 for mounted units.
Long ...	2	
Normal ...	10	
Short ...	3	
Stocks, fore-end, No. 1 "B" ...	20	
Strikers, No. 1 "B" ...	24	
Studs, clip, stop, No. 1(o) ...	1	
„ fore-end, No. 1 ...	3	
Swivels, band ...	13	
„ piling, "A" ...	20	
„ piling, "B" ...	16	For mounted or dis-mounted units, but not to be issued to the latter when the preceding item is available.
Traps, butt-plate, No. 1 ...	2	
Triggers, No. 1 ...	6	
Wads, No. 1 ...	20	
Washers—		
Bolt, stock, No. 1 ...	20	For Leaves, Backsight, No. 1 "A."
Guard, band, No. 1 ...	4	
Nut, screw, No. 1 ...	6	
Pin, No. 1 ...	12	
Spring, band, inner, No. 1 ...	12	
„ bolt, locking, No. 1 ...	16	
Windgauges, backsight, No. 1 ...	2	
Worms, No. 1 ...	2	

(o) For No. 1 "A" magazine cases only.

**TABLE 2.—Materials for Repair of Bayonets,
No. 1, Mk. I**

Description.	Annual proportion for 1,000 arms.	Remarks.
<i>Section B.1</i>		
Bayonets, No. 1—		
Bolts	5	
Grips pairs	40	
Nuts, bolt	10	
„ grip	40	
Screws, grip	40	
Springs, bolt	20	

**TABLE 3.—Materials for Repair of Scabbards,
Bayonet, No. 1, Mk. II**

Description.	Annual proportion for 1,000 arms.	Remarks.
<i>Section B.1</i>		
Scabbards, bayonet, No. 1, Mk. II—		
Chapes	10	
Laces, long	50	
„ short	100	
Lockets	10	

**TABLE 4.—Materials for Repair of Pistols, Revolver,
No. 1, Mk. VI**

NOTE.—Except for an establishment of three pistols or less, the proportion (less any numbers in possession) may be drawn annually. For an establishment of three or less, it will only be drawn triennially. Fractional results may be reckoned as whole numbers.

Description.	Annual proportion for 100 Pistols on charge.	Remarks.
<i>Section B.2</i>		
Pistols, revolver, No. 1—		
Blades	4	
Cams	2	
Catches, barrel, Mk. VI	2	
„ hammer	5	

TABLE 4.—*continued*

Description.	Annual proportion for 100 Pistols on charge.	Remarks.
<i>Section B.2—continued</i>		
Cups, countersunk	3	
Guards, Mk. II	1	
Hammers	5	
Levers—		
Auxiliary	4	
Cam, cylinder	2	
Extractor	8	
Spring, main	2	
Nuts—		
Extractor	4	
Screws, stock	4	
Pawls	12	
Pins—		
Joint	4	
Stock (a)	12	
Screws—		
Blade	3	
Cam, cylinder	5	
Catch, barrel, Mk. VI	4	
„ hammer	3	
Fixing, lever, cam	6	
Guard	5	
Hammer	4	
Lever, cam	3	
Pin, joint	7	
Shield	8	
Spring, stop, trigger	3	
Stock	2	
Swivel, hammer	5	
Springs—		
Catch, barrel	8	
„ hammer	2	
Extractor	8	
Lever, auxiliary	5	
Main	13	
Stop, trigger	20	
Stocks, sides, left—		
Mk. VI, medium	2	
Mk. VI, small	1	
Stocks, sides, right—		
Mk. VI, medium	2	
Mk. VI, small	1	
Stops, trigger	4	
Swivels, butt	2	
„ hammer	4	
Triggers	3	
Wire ... (6-in. lengths)	1	

(a) Also for Swivels, butt, Mk. VI.

TABLE 5.—Materials for Repair of Swords, Cavalry, and Scabbards, Sword, Cavalry

Description.	Annual proportion for 100 Swords and Scabbards.	Remarks.
<i>Section B.1</i>		
Screws, ejector, No. 1 " B " ...	2	
<i>Section B.2</i>		
Swords, cavalry—		
Buff, pieces, No. 1	20	{ Household Cavalry and Cavalry of the Line only.
Grips, No. 1	1	
Nuts, guard, No. 1	2	
„ pommel, No. 1	2	
Scabbards, sword, cavalry—		
Linings, No. 1	10	{ Also for No. 2, Mk. I scabbards.
Mouthpieces, No. 1	1	
Screws, mouthpiece, No. 1 ...	20	
<i>Section G.2</i>		
Wire, steel, soft, No. 12, S.W.G. oz.	2	{ To be issued in lieu of rivets, loop, No. 1, for scabbards, sword, cavalry, No. 1, Mk. I*.

NOTE.—Materials for the repair of swords, cavalry, No. 2, Mk. II, and scabbards, sword, cavalry, No. 2, Mk. I, will be supplied as may be found necessary.

TABLE 6.—Materials for Repair of Lances

Description.	Annual proportion for 100 Lances.	Remarks.
<i>Section B.2</i>		
Lances, patt. '68—		
Laces	10	
Protectors	20	
Slings	6	
Thongs, sling	12	
<i>Section H.1</i>		
Methylated spirit, industrial, pints	1½	} For re-varnishing lances.
<i>Section Q.2</i>		
Shellac, liver oz.	12	

TABLE 7.—Materials for Repair and Cleaning of Rifles No. 2, Mk. IV*

NOTE.—To be demanded only when required to replace unserviceable components and not to be demanded for the purpose of being held by units as a stock.

Components common to Rifles No. 1 are not included in this Table, and are to be taken from the allowance provided by Table 1.

Description.	Annual proportion for 16 Rifles.	Remarks.
<i>Section B.3</i>		
Rifles No. 2, Mk. IV*—		
Extractors	1	
Heads, breech, bolt	2	
Pins, firing	1	
Strikers	1	
<i>Appurtenances</i>		
Tools, cleaning—		
Brushes	4	
Cleaners	4	
Rod, No. 4	1	

TABLE 8.—Materials for Repairing and Browning Small Arms

Description.		Biennial Allowance.			Remarks.
		800 arms.	600 arms.	500 arms.	
Section B.3					
Card, scratch, armourers'	ft.	8	6	5	3 } For every 1,500, or 1 } less, stand of arms.
Dust, oilstone	oz.	4	3	2	
Stalls { finger	...	—	—	—	
thumb	...	—	—	—	
Section D.1					
Brushes, harness, hard ...	...	3	2	2	
Section F					
Brushes, lacquer, $\frac{1}{4}$ -in. ...	...	1	1	1	
Section G.2					
Tin, grain	lb.	1	1	1	For soldering.
Wire—					
Steel, No. 20, S.W.G., soft oz.		8	6	5	
„ No. 16, S.W.G., hard „		4	3	2	
Zinc, alloy	„	8	6	5	

TABLE 8.—*continued*

Description.	Biennial Allowance.			Remarks.
	800 arms	600 arms	500 arms	
<i>Section H.1</i>				
Borax ... oz.	8	6	5	$\frac{1}{2}$ for every 100 stand of arms, for cleaning bore of barrels. 3 for 100 stand of arms browned by armourer. Includes 1 oz. for every 100 stand of arms for cleaning barrels. For cleaning barrels.
Cloth, { No. O... quires	$\frac{1}{2}$	$\frac{1}{3}$	$\frac{1}{4}$	
emery { „ F... „	4	3	$2\frac{1}{2}$	
„ 2... „	2	$1\frac{1}{2}$	$1\frac{1}{4}$	
Glue, ordinary ... lb.	4	3	$2\frac{1}{2}$	
Methylated spirits, industrial				
Oil { mineral, burning (a) „ pints	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	
„ M.80 ... „	—	—	—	
Paper, { No. 1 $\frac{1}{2}$... quires	2	$1\frac{1}{2}$	$1\frac{1}{4}$	
glass { „ 2 ... „	$\frac{1}{2}$	$\frac{1}{3}$	$\frac{1}{4}$	
„ 3 ... „	2	$1\frac{1}{2}$	$1\frac{1}{4}$	
Powder, emery, flour ... oz.	24	18	15	
Rosin, black ... oz.	8	6	5	For cleaning barrels.
Sal-ammoniac, lump ... oz.	2	$1\frac{1}{2}$	$1\frac{1}{4}$	
Soda, crystals (b) ... lb.	144	108	90	
<i>Section Q.2</i>				
Shellac, liver ...	—	—	—	3 oz. for 1,000 arms on charge, for the temporary blacking of sights and parts of arms.
<i>Old Stores</i>				
Sheeting, old ... lb.	24	20	$16\frac{1}{2}$	$\left\{ 2\frac{1}{2} \text{ for every 2,000 stand of arms.} \right.$
Blanket, old ... „	—	—	—	
<i>Not in Vocabulary</i>				
Mixture, browning ...	(c)	(c)	(c)	The coal required will be drawn under the Allowance Regulations 8 for every 2,000 stand of arms.
Coal ...	—	—	—	
Sponges, Turkey, 3 drams (d) ...	—	—	—	

(a) R.A.S.C. supply.

(b) $1\frac{1}{2}$ lb. to each gallon of water. The quantities shown are the maximum allowances, but no more should be used than is actually required to remove the grease.

(c) Browning mixture is supplied in the proportions detailed in instructions for the care, repair and browning, etc., of arms and bayonet scabbards, in the Instructions for Armourers.

(d) To be provided locally.

TABLE 9.—Materials for Cleaning and Preservation of Small Arms

ANNUAL SUPPLY OF OIL, ETC., FOR THE CLEANING, OILING AND PRESERVATION OF SMALL ARMS

Peace only

No oil, etc., except that supplied by the R.A.O.C., will be applied to the small arms in any circumstances.

Station.	Oil, M.80, pints, for every			Mineral jelly, red, lb. for 500 small arms (b).	Beeswax, lb. for 500 small arms (b).
	100 small arms (including pistols) (a).	100 rifles or 200 pistols.			
		For lubricating actions.	For removing rust from barrels.		
Home	72 (c) (g)	9	1	10 (d)	—
Gibraltar	75	9	1	10 (d)	—
Malta					
Egypt	84	9	1	48 (e)	24 (e)
Ceylon	84	9	1	32 (f)	16 (f)
Malaya					
Mauritius					
China					
Bermuda	84	9	1	32 (f)	16 (f)
Jamaica					

(a) Includes the quantities required for filling oil bottles.

(b) For application between fore-end and barrel. Mineral jelly and beeswax to be mixed before application.

(c) This will also be allowed for small arms of guards and rifle depots in constant use.

(d) To be applied annually.

(e) A portion to be applied quarterly for nine months and then once a month for the remaining three months.

(f) A portion to be applied quarterly.

(g) 113 pints for every 100 recruits' rifles on charge of 1st (Depot) Bn. R.T.C.

N.B.—In the case of Royal Artillery, when small arms are examined by an armourer, he will be provided with one-eighth of a pint of oil, M.80, for every 18 stand of small arms (or less), out of the annual allowance.

TABLE 9.—*continued***Annual Supply—Peace only**

Section B.3			
Flannelette	{	For each .303-in. rifle in possession of—	
		Cavalry and Infantry (a)	11 yards
		Field Artillery ...	8 "
		Royal Engineers (a), (c)	6 "
		Royal Corps of Signals (a), (e)	6 "
		Other units (a), (d)	4 "
		For each pistol, Webley, in the possession of all units	2 "
Jute	lb.	{ 1 lb. for 200 small arms for use with cleaning rod, No. 1	
Wire, armourers', brass	...	{ 2 oz. for 100 small arms for use with cleaning rods, Nos. 2 or 4, and Braces, Armourers', Mk. III, Bits, cleaning.	
N.I.V.			
Sheeting, old	...	10 lb. for use of the Armourer.	

War Supply

NOTE.—This scale is inserted as a guide when making demands. On active service the stores will be issued as local circumstances require.

<i>Section B.3</i>		
Flannelette — ...	...	35 yards for 100 rifles (b).
<i>Section H.1</i>		
Oil, M.80 ...	...	{ 25 pints for each regiment of cavalry; 48 pints for each battalion of infantry, and 5 pints for 100 rifles (b) for other units.
<i>N.I.V.</i>		
Sheeting, old ...	...	{ 3 lb. for each regiment of cavalry or battalion of infantry.

(a) These allowances may be increased 50 per cent. at Malaya, Ceylon, China, Bermuda and Jamaica.

At Mauritius 24 yards may be issued for each rifle in possession of infantry units, and 8 yards for each rifle in possession of other units.

(b) Allowance for 2 pistols to be as for 1 rifle.

(c) 12 yards for Field Squadron, Field Company (except drivers), Fortress Company, Training Battalion and Depot Battalion.

(d) 8 yards for each recruit's rifle on charge of 1st (Depot) Bn., R.T.C.

(e) 9 yards for each rifle on charge of the Depot Battalion.

TABLE 9.—*continued*

Scale for Small Arms of Patients admitted to Field Medical Units on Manœuvres

<i>Section B.1</i>								
Pullthroughs, single, Mk. IV, "A."					2 for each Field Medical Unit			
<i>Section B.3</i>								
Flannelette	...	...	...	...	75 yards	,	,	,
<i>Section H.1</i>								
Oil, M.80	...	...	...	...	9 pints	,	,	,

Pullthroughs, Double

Annual Supply—Peace only

(For War, see Appendix 6, Table 2)

<i>Section B.1</i>								
Pullthroughs, double, Mk. I, "B" ...					10	For 1,000 small arms. To be supplied to and used by armourers only.		
Cords, double (spare) ...					10 (a)			
Pullthroughs, gauze ... pieces					20 (a)			

(a) Annual supply.

TABLE 10.—Annual Allowance of Material for Repair of Machine Guns

(Referred to in para. 449)

Description.	Number for each.			Remarks.
	Vickers M.G.	Lewis M.G.	Hotch- kiss M.G.	
<i>Section B.1</i>				
Pullthroughs—				
Cords, double	1	1	1	
Gauze pieces	2	2	2	
<i>Section G.1</i>				
Pins, keep, split, $\frac{1}{4}$-in $\times$ 2$\frac{1}{4}$-in.	2	—	—	For Mk. IV tripod mounting.

TABLE 10.—*continued*

Description.	Number for each.			Remarks.
	Vickers M.G.	Lewis M.G.	Hotch- kiss M.G.	
Section C.1				
Belts, .303-in., 250 rounds, Mk. I—				
Eyelets, long ... oz.	25 ¹ / ₂	—	—	
Strips { long ...	25	—	—	
short ...	25	—	—	
Brushes, oil, M.G. ...	1	1	1	
„ rod, cleaning, cylinder, Lewis .303-in., M.G., Mk I	—	2 ⁺	—	
Extractors, hand, Hotchkiss, .303-in., M.G., Mk. I ...	—	—	1	
Guns, Machine, Vickers, .303- in.—				
Packing, asbestos, pieces ...	2 (a)	—	—	(a) 10 for each
Pins, split, check nut, long	2	—	—	Vickers machine
„ split, collar, roller, No. 2	1	—	—	gun on charge
Washers, adjusting, No. 1	2	—	—	of Machine Gun
„ adjusting, No. 2	1	—	—	School and Tank
Guns, Machine, Vickers, .303- in., Mk. I—				Gunnery School.
Corks, for plug ...	2	—	—	
Heads, plug, screwed ...	2	—	—	
Pins, fixing, cork plug ...	2	—	—	
Plugs, cork ...	1	—	—	
„ screwed ...	1	—	—	
Studs, screwed plug ...	1	—	—	
Guns, Machine, Lewis, .303- in.—				
Extractors (Mk. I or Mk. II)	—	2 (b)	—	(b) The Mk. II is
Guides, cartridge ...	—	1	—	supplied with
				spring extractor.
Springs, return ...	—	1 (c)	—	(c) Issued with cas-
Washers, packing, barrel...	—	2	—	ing and hub in tin
Guns, Machine, Lewis, .303- in., Mk. I—				box, if available,
Screws, clamp ring, No. 2	—	1	—	otherwise issue
„ swivel ...	—	1	—	will be made in
Swivels ...	—	1	—	retaining collar.
Guns, Machine, Hotchkiss, .303-in.—				
Covers, sight, fore ...	—	—	1	
Screws, locking ...	—	—	1	
Washers, spring, backsight	—	—	2	
Hooks, “S,” M.G. ...	2	—	—	
Mops, rod, cleaning cylinder, Lewis .303-in. M.G., Mk. I ...	—	1	—	

APPENDIX 10

(Referred to in paras. 450 and 451)

MATERIALS FOR CLEANING, PAINTING AND POLISHING MACHINE GUNS
 "Paint, khaki colour, special," will be used for painting machine guns, mountings and metal boxes, and ordinary "service colour" paint for painting wood boxes and chests.

Description of Guns, Mountings, etc.	Parts to be painted.	Allowance for 100 for one coat.
Guns, Machine, Hotchkiss, .303-in. (a) ...	Barrel (including spare) and handguard.	lb. 2½
„ Machine, Lewis .303-in. ...	Radiator casings and exposed surfaces of trigger guard.	4½
„ Machine, Vickers, .303-in. ...	Barrel casing and exposed surfaces of feed block when latter is of gun-metal.	4½
Holders, A.A., Hotchkiss, .303-in. M.G. ...	{ All over, excepting gun bearings and frictional surfaces.	1
„ A.A., Lewis, .303-in. M.G. ...		
Magazines, Lewis, .303-in. M.G., Mk. I ...	Externally only.	1½
Mounts, field, Lewis, .303-in. M.G., Mk. III ...	All over.	1½
Mountings, tripod, .303-in. M.G., Mk. IV (b)...	All over, excepting gun and joint pin bearing surfaces, screw threads of elevating gear, and stems of joint pins.	12
„ tripod, A.A., Lewis or Hotchkiss, .303-in. M.G. ...	All over, excepting lower frictional surface of tubular post.	8
„ tripod, Hotchkiss, .303-in. M.G.	All over, excepting gun bearings and frictional surfaces.	1½

(a) See also para. 21589, L. of C.

(b) In the case of regular units, the following details of the mountings actually in use in "Peace" will be polished :—

Chains ...	...	All over.
Crosshead ...	...	The prominent top surfaces only.
Handles, jamming, front legs ...	...	Handle portion only.
Legs ...	...	The flange of shoe and up to 1 in. above the flange only.
Nut, jamming, rear leg ...	...	Including the handle.
Pins, joint, crosshead ...	...	Handles only.
„ joint, elevating ...	...	Handles only.
Screw, clamp, checking traverse ...	...	Handle portion only.
Wheel, elevating ...	...	The outer rim where graduated.

An initial allowance of 3d., and an annual allowance of 1d., for local provision of materials, is issuable for each mounting for polishing. The polished details will be repainted on mobilization, and also when withdrawn from use.

MATERIALS FOR CLEANING, ETC.—*continued*

Description of Guns, Mountings, etc.	Parts to be painted.	Allowance for 100 for one coat.
Boxes, battalion spares, Lewis .303-in. M.G., Mk. I	Externally.	14
„ belt, Vickers .303-in. M.G. (metal) ...	Externally (and internally where necessary).	11
„ carrier, magazine, Lewis .303-in. M.G. (metal)	Externally (and internally where necessary).	19½
„ strips, Hotchkiss .303-in. M.G. (wood)	Externally.	7
Chests, Vickers or Lewis .303-in. M.G. (wood)	Externally.	25

APPENDIX 11

TABLE 1 (see para. 447)

MATERIAL FOR CLEANING AND OILING MACHINE GUNS AND MOUNTINGS

	For each machine gun and mounting.		
	Peace per annum.		War.
	For guns in use.	For guns in store.	
<i>Section B.3</i>			
Flannelette yards	11 (a)	6	3
<i>Section H.1</i>			
Dubbing lb.	½	—	½
Mineral jelly, red	—	1½	—
Oil, M.80 pints	8	—	2½
<i>N.I.V.</i>			
Linen or cotton, old lb.	3	—	¾
Oil, mineral, burning, pints (b)	½	—	¾

(a) 20 yards for Regular Cavalry, Infantry and Royal Tank Corps.

(b) R.A.S.C. supply.

TABLE 2 (see para. 448)

MATERIAL FOR MACHINE GUNS AND MOUNTINGS IN STORE

<i>N.I.V.</i>				
Flannel (old blanket is very effective)	...			1 square yard.
Twisted copper wire	...	...	...	1 rod, 42 in. long, of wire, 0.1 in. diameter with a double twist.

TABLE 3 (see para. 243)

MATERIAL FOR CARE AND PRESERVATION OF SMALL ARMS
STORED FOR ARMY RESERVISTS (ANNUAL ALLOWANCE)

<i>Section B.3</i>					
Flannelette	...	...	yards	38	For every 1,000 stand of arms.
<i>Section H.1</i>					
Mineral jelly, red	...		lb.	18½	Includes 2½ lb. for 25 per cent. of bayonets re-greased after examination.
Oil, M.80	...	...	galls.	1½	
<i>N.I.V.</i>					
Sheeting, old	...	...	lb.	10	For every 1,000 stand of arms.

APPENDIX 12

(Referred to in para. 133)

INSTRUCTIONS FOR SHARPENING SWORDS

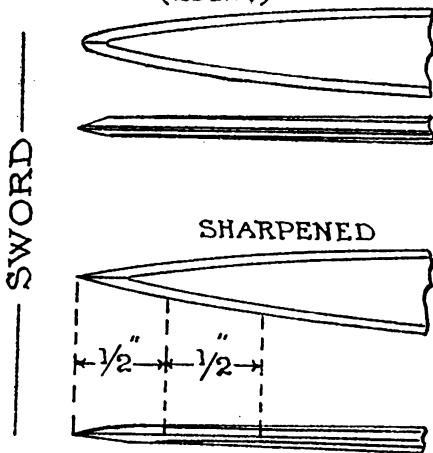
Hold the sword with point resting in a shallow nick cut in the edge of bench (or fix in a vice) so that the angle of the edge is horizontal. With a "File, saw, taper, second cut, single, 8-in." file until the point and edges are sharp, the filing being restricted to a distance of $\frac{1}{2}$ in., and then blending to 1 in. from the point. The filed surface will then be smoothed off and polished with "Cloth, emery, No. F," and then lubricated with "Oil, M.80."

This operation will be carried out regimentally under the supervision of the armourer.

FULL SIZE

BEFORE SHARPENING

(BLUNT)



APPENDIX 13

(Referred to in para. 153)

INSTRUCTIONS FOR PACKING RIFLES

When packing short rifles having long, short or normal butts, in chests, S.A., No. 1, Mk. II, the false end support will be fixed flat to the end of the chest. When packing short rifles with bantam butts, the false end supports will be fixed edgeways and the bridge fittings placed between fillets towards the centre of the chest.

The butt slips and back strips will be placed as follows :—

For short butts.—The butt slips will be placed with the plain side towards the barrel and a $\frac{1}{2}$ -in. back strip placed between the butt plate and false end of the chest.

For normal butts.—The butt slips will be placed with the plain side towards the barrel, but $\frac{1}{2}$ -in. back strips are not necessary.

For long butts.—The butt slip will be placed with the grooved side towards the barrel, but $\frac{1}{2}$ -in. back strips are not necessary.

For bantam butts.—As for long butts, but the false end supports will be placed edgeways, and the bridge fittings as stated.

Rifles with long and bantam butts will not pack together in the same chest.

APPENDIX 15

*(Referred to in paras. 418 and 534)*LIST OF REPAIRS NOT TO BE UNDERTAKEN IN R.A.O.C.
WORKSHOPS OR BY UNIT OR CIRCUIT ARMOURERS

Item.	Repair work not to be undertaken.	Action to be taken.
Rifles.		
1	Replacement of barrel, or body, sight bed and block, band, foresight.	When such replacement or repair is required, the rifle (or bolt) will be exchanged.
2	Repair of body, also bolt where recoil shoulders or set of handle is affected.	
3	Repair of ramps of backsight bed, and re-fixing sight bed on barrel when loose	When such replacement or repair is required, the rifle (or bolt) will be exchanged.
Bayonets and Scabbards.		
4	Adjustment of sword bar slot in pommel of bayonet	Where the slot is badly worn or the blade requires re-setting, the bayonet will be exchanged.
5	Re-setting blade	
6	Fitting new leather to scabbard.	Exchange scabbard.
Pistols, revolver, Webley.		
7	Replacement of barrel, body, or cylinder	When such replacement or repair is required, the pistol will be exchanged.
8	Replacement of shield in body ...	Exchange pistol.
9	Replacement of extractor in cylinder	Exchange pistol.
Pistols, signal, 1-in.		
10	Replacement of barrel or body ...	Exchange pistol.
Swords and Scabbards.		
11	Re-setting blade of sword	Exchange sword.
Lances.		
12	Replacement of stave	Exchange lance.
Hotchkiss .303-in. Machine Gun.		
13	Replacement of—	Exchange gun.
	Body	
	Block, breech	
	Guard, trigger	
	Nut, fermature	
	Piston	
Lewis .303-in. Machine Gun.		
14	Repair or replacement of body	Exchange gun.
15	Extensive repair or replacement of casing, radiator, rear ...	
16	Replacement of stud, actuating feed arm	Exchange bolt.

(Referred to in paras. 244, 356, 419, 427, 452, 464 and 534, and in Appendix 50)

(a) Inspection by C.I.S.A. (b) Inspection and (c) Routine examination by R.A.O.C. and units of Small Arms, Machine Guns, Mountings and Bicycles in hands of troops and in Store.

Arm.	Regular units with Armourers.		Regular units without Armourers (including Infantry Depots).		Mobilization.		In Store.	Units abroad.
	C.I.S.A.	R.A.O.C. and Unit.	C.I.S.A.	R.A.O.C. and Unit.	C.I.S.A.	R.A.O.C. and Unit.	R.A.O.C.	R.A.O.C. and Unit.
Small Arms	<i>Quadrennially.</i> (a) Inspection throughout one circuit area per annum in each command.	(c) <i>Quarterly</i> by armourer. One of the examinations should be arranged before weapon training courses are fixed. (c) <i>Annually</i> by armourer. This will take place as soon as possible after completion of training season, and will coincide with the quarterly inspection. (b) <i>Quadrennially.</i> Inspection under the A.I.A. throughout one circuit area per annum in each command.	<i>Quadrennially.</i> (a) Inspection to include replacement of minor components as required throughout the circuit area visited by C.I.S.A.'s examiners.	<i>Quarterly.</i> (c) Examination and repairs by circuit armourer in command as required during quarterly visits to examine machine guns. (b) <i>Quadrennially.</i> Inspection under the A.I.A. throughout one circuit area per annum in each command.	<i>Quadrennially.</i> (a) Inspection, stripping and lubrication between stock and barrel of 10 per cent.* of the arms in circuit areas visited by C.I.S.A.'s examiners.	<i>Half-yearly.</i> (c) Oiled outside every six months: barrels cleaned and oiled inside every eighteen months (para. 241). <i>Annually.</i> (c) Examination of 10 per cent. by armourer and lubricated between fore-end and barrel. <i>Quadrennially.</i> (b) Inspection and stripping under the A.I.A. of 10 per cent.† of arms in one circuit area per annum.	<i>Half-yearly.</i> (c) Cleaning externally by storemen every six months. <i>Annually.</i> (c) 10 per cent. examined by armourer, and lubricated between fore-end and barrel.	<i>Quarterly.</i> (c) Examination by armourer.
Bayonets	<i>Quadrennially</i> , as at (a) above.	<i>Quarterly</i> } as at (c) above. <i>Annually</i> } <i>Quadrennially</i> , as at (b) above.	<i>Quadrennially</i> , as at (a) above.	<i>Quarterly</i> , as at (c) above. <i>Quadrennially</i> , as at (b) above.	<i>Quadrennially.</i> (a) Inspection of 10 per cent.* bayonets and scabbards as above, plus 15 per cent. for lubrication.	<i>Annually.</i> (c) Examination of 25 per cent. by armourer. <i>Quadrennially</i> , as at (b) above.	<i>Annually.</i> (c) Examination of 10 per cent. by armourer.	<i>Quarterly</i> , as at (c) above.
Machine guns and Mountings (including M.G.s. and mountings in A.F.Vs.)	<i>Quadrennially</i> , as at (a) above.	<i>Quarterly</i> , (c) by armourer. <i>Quadrennially</i> , as at (b) above (including D.P. guns and armament).	<i>Quadrennially</i> , as at (a) above.	<i>Quarterly</i> , by circuit armourer as at (c) above. <i>Quadrennially</i> , as at (b) above.	<i>Quadrennially.</i> (a) All M.G.s and mountings.	<i>Quarterly.</i> (c) Working parts oiled. <i>Annually.</i> (c) Examination and stripping by armourer. <i>Quadrennially.</i> (b) All M.G.s and mountings.	<i>Annually.</i> (c) Examination by A.I.A.	<i>Quarterly</i> , as at (c) above.
Bicycles	<i>Quadrennially</i> , as at (a) above.	<i>Weekly.</i> (c) By an officer of unit. <i>Monthly.</i> (c) Examination by armourer. <i>Annually.</i> (c) Examination by armourer. <i>Quadrennially</i> , as at (b) above.	<i>Quadrennially.</i> (a) Inspection throughout the circuit area visited by C.I.S.A.'s examiners.	<i>Weekly.</i> (c) By an officer of unit. <i>Quarterly</i> , as at (c) above. <i>Quadrennially</i> , as at (b) above.	<i>Quadrennially.</i> (a) All bicycles.	<i>Quadrennially.</i> (b) All bicycles.	<i>Annually.</i> Examination (including stripping and re-lubrication) by armourer of 10 per cent.	
Tools		<i>Quadrennially.</i> (c) Examined by A.I.A. when visiting units.						
Gauges (and specially selected components) ...	<i>Annually.</i>	<i>Annually</i> verified by R.A.O.C.						

* Similar action to above will be taken by C.I.S.A.'s Examiners; the report being rendered to the C.I.S.A.

† If the condition of the 10 per cent. of the arms stripped or lubricated indicates that a further examination is necessary, a report on the circumstances will be rendered to the G.O.C., who will, if necessary, order the examination of a further percentage.

(NOTE.—Inspection of small arms, machine guns, mountings and bicycles with units of the T.A., and O.T.C., will be made as directed in the part of Section of Equipment Regulations relating to those Services.)

LIST OF REPAIRS, ETC.—*continued*

Item.	Repair work not to be undertaken.	Action to be taken.
	Vickers .303-in. Machine Gun.	
17	Repair of casings, barrel and breech	} Exchange gun.
18	Replacement of—	
	Bracket, foresight	} Exchange lock.
	Cover, rear, complete	
	Casing, lock	
	Levers, side, pair	
	All Small Arms and Machine Guns.	
19	Hardening and tempering of components and springs	Exchange for serviceable components and springs.

Where a unit armourer is fully occupied with normal repairs to rifles, machine guns, etc., he may, at the discretion of the A.I.A., be relieved of the following repair work, which will then be executed in the central armourers' shop :—

Fitting of Bolts, breech.
 „ Stocks, fore-end.

APPENDIX 16

(*Referred to in para. 37*)

CONDITIONS GOVERNING THE SALE OF RIFLES

Rifles, of any service pattern, may be issued on prepayment, under the following conditions, to :—

Officers of the regular forces and Regular Army Reserve of Officers.

Conditions

1. Issues, which will be limited to one rifle for each officer, will be authorized on the distinct understanding that the arms are not required for the purposes of sale or trade.

2. All rifles must be obtained from Weedon, and are not to be issued on prepayment from local stocks. They will be demanded, through the usual channels, on quarterly indents, which will be submitted so as to reach Weedon on the 1st January, 1st April, 1st July and 1st October.

A nominal roll showing the ranks, names and units of the individuals for whom arms are demanded will accompany each indent.

In the case of officers of the Reserve of Officers, applications will be made individually to the War Office direct.

3. Prior to despatch from Weedon, a special sale mark $\rightarrow S \leftarrow$ will be applied to all rifles issued for sale, and only such arms will be issued on prepayment.

4. Local stocks of arms bearing the special sale mark will not be held in anticipation of prepayment demands.

5. The vocabulary rate current at date of issue, plus 1s. each arm to cover the cost of special sale marking, will be charged and recovered locally by the command paymaster.

6. All rifles sold under the foregoing conditions will become the personal property of the purchaser, and will not be accounted for in the equipment ledgers of units.

7. Spare parts and components may also be supplied on prepayment for the repair of service arms issued under the foregoing instructions. Barrels with bodies must be obtained from Weedon in the manner prescribed for complete arms. They will be marked with the special sale mark, for which a charge of 1s. in addition to vocabulary rate will be made. Credit for replaced parts, if returned to store, cannot be allowed.

APPENDIX 17

(Referred to in para. 449)

LIST OF CONTENTS OF BAG, SPARE PARTS AND TOOLS, M.G., FILLED, HOTCHKISS ·303-IN.

Description.	No.
<i>Section B.1</i>	
Pullthroughs—	
Double, Mk. I, " B "	2
Gauze	6
<i>Section C.1</i>	
Boxes, small parts, M.G., No. 1, Mk. I	1
Brushes, cleaning, Hotchkiss ·303-in. M.G., Mk. I	1
Cans, oil, M.G., Mk. I	1
Cleaners, gas cylinder, Hotchkiss ·303-in. M.G., Mk. I	1
Extractors, hand, Hotchkiss ·303-in., M.G., Mk. I	3

LIST OF CONTENTS OF BAG, ETC.—*continued*

Description.	No.
<i>Section C.1—continued</i>	
Guns, machine, Hotchkiss ·303-in.—	
Covers, sight, fore	1
Ejectors	1
Extractors	1
Pins, firing	2
Screws, locking	2
Sights, fore	2 (a)
Springs, cartridge stop	1
„ ejector	1
„ extractor	2
„ feed, No. 2	2
„ recoil	1
„ sear	2
Washers, spring, backsight	6 (b)
Guns, machine, Hotchkiss ·303-in. Mk. I*—	
Sight, back, tubular	1 (c)
Hammers, M.G., Mk. I	1
Keys, ejector, Hotchkiss ·303-in. M.G., Mk. I	1
Punches, No. 3, M.G., Mk. I	1
Reflectors, mirror, ·303-in. M.G., Mk. I	1
Rods, cleaning, bore, Hotchkiss ·303-in. M.G., Mk. I	1
Screwdrivers, large, M.G., Mk. I	1
Wrenches, Hotchkiss ·303-in. M.G., Mk. I	3 (d)
<i>Section D.1</i>	
Brushes, harness, hard	1

(a) To correspond in height to those fitted to the gun barrel and spare barrel respectively.

(b) Two of these are issued with the spare sight in the case of tank guns.

(c) R.T.C. units only.

(d) One carried on the gun.

LIST OF CONTENTS OF BAG, SPARE PARTS AND TOOLS,
M.G., FILLED, LEWIS ·303-IN.

Description.	No.
<i>Section B.1</i>	
Pullthroughs—	
Double, Mk. I, “B”	1 (a)
Gauze	3 (b)
<i>Section C.1</i>	
Balances, spring, combination, Lewis ·303-in. M.G., Mk. I ...	1 (c)
Boxes, small parts, M.G., No. 1, Mk. I	1
Brushes, rod, cleaning, cylinder, Lewis ·303-in. M.G., Mk. I ...	5
Cans, oil, M.G., Mk. I	1

(a) To be increased to 2 on mobilization.

(b) To be increased to 6 on mobilization.

(c) Or Balances, spring, M.G., Mk. I.

LIST OF CONTENTS OF BAG, ETC.—*continued*

Description.	No.
<i>Section C.1—continued</i>	
Guns, machine, Lewis ·303-in.—	
Blades, foresight, H.	1
" foresight, L.	1
Bolts	1 (d)
Casings, pinion, assembled	1 (e)
Covers, ejector	1
Ejectors	1
Extractors, Mk. II	4 (f)
Guides, cartridge	3
Handles, cocking, No. 1	2
Heads, screw, tangent sight	1
Keys, gas regulator	1
Pawls, feed arm, Mk. I*	2 (g)
" pinion	1
" stop, magazine, No. 1, Left, Mk. I*	1 (g)
" stop, magazine, No. 2, Right, Mk. I*	1 (g)
Pins, fixing, striker	2
" head, screw, tangent sight	2
" locking, body	2
" pawl, pinion	2
" sear	2
" trigger	2
Regulators, gas, Mk. I	1
Sears, Mk. I	1
Springs, head, screw, tangent sight	2
" pawl, feed arm	3
" pawl, pinion	4
" pawls, stop, magazine	2
" return	4 (h)
" trigger	1
Strikers	1
Washers, packing barrel	6
Guns, machine, Lewis ·303-in., Mk. I—	
Screws, butt cap	2
" clamp ring, No. 2	1 (i)
Handles, loading, magazines, Lewis ·303-in. M.G., Mk. I	5
Mops, rod, cleaning, cylinder, Lewis ·303-in. M.G., Mk. I	1
Plugs, clearing, Lewis ·303-in. M.G., Mk. I	1
Punches, No. 3, M.G., Mk. I	1 (j)
Reflectors, mirror, ·303-in. M.G., Mk. I	1
Screwdrivers, small, M.G., Mk. I	1
Spanners, Lewis ·303-in. M.G., Mk. I	1
Wallets, Lewis ·303-in. M.G., No. 1, Mk. I, Empty	1

(d) With feed arm actuating stud and two extractors.

(e) Complete with pinion, return spring casing, return spring, hub and tension screw, and pinion pawl with spring and pin.

(f) Or Mk. I (Mk. II is supplied with spring extractor).

(g) Or Mk. I (under heading of Guns, machine, Lewis ·303-in. Mk. I).

(h) With return spring casing and hub in tin box.

(i) Or No. 1.

(j) Or No. 4, M.G., Mk. II.

BOXES, BATTALION SPARES, LEWIS ·303-IN. M.G., MK. I
List of Stores (demanded separately) carried in box

Description.	No.
<i>Section C.1</i>	
Boxes, small parts, M.G., No. 1, Mk. I	1
Guns, machine, Lewis ·303-in.—	
Bands, barrel	4
Blades, foresight, H.	4
foresight, L.	4
Springs, trigger... ..	2
Triggers	2
Washers, packing barrel	6
Guns, machine, Lewis ·303-in. Mk. I—	
Butts, Mk. II, normal	4
Caps, butt, Mk. I*	4
Screws, butt cap	4

LIST OF CONTENTS OF HOLDALL, LEWIS ·303-IN. M.G.,
Mk. I, FILLED

Description.	No.
<i>Section B.1</i>	
Pullthroughs—	
Double, Mk. I " B "	1 (a)
Gauze	3 (b)
<i>Section C.1</i>	
Boxes, small parts, M.G., No. 2, Mk. I	1
Brushes, rod, cleaning, cylinder, Lewis ·303-in. M.G., Mk. I ...	2
Cans, oil, M.G., Mk. I	1
Guns, machine, Lewis ·303-in.—	
Covers, ejector	1
Handles, cocking, No. 1	1
Keys, gas regulator	1
Pins, fixing, striker	2
,, locking, body	1
,, sear	1
,, trigger	1
Regulators, gas, Mk. I	1
Rods, piston, No. 2	1 (c)
Springs, pawls, stop, magazine	1
,, return	1 (d)
Strikers	1
Handles, loading, magazines, Lewis ·303-in. M.G., Mk. I ...	1
Mops, rod, cleaning, cylinder, Lewis ·303-in. M.G., Mk. I ...	2
Punches, No. 3, M.G., Mk. I	1 (e)
Rods, cleaning, cylinder, Lewis ·303-in. M.G., Mk. I ...	1
,, cleaning, ·303-in. M.G., Mk. II	1
Spanners, Lewis ·303-in. M.G., Mk. I	1
Wallets, Lewis ·303-in. M.G., No. 2, Mk. I, Filled	1 (f)

(a) To be increased to 2 on Mobilization.

(b) To be increased to 6 on Mobilization.

(c) Or No. 1.

(d) With return spring casing and hub in tin box.

(e) Or No. 4, M.G., Mk. II.

(f) A contents list is enclosed in each wallet.

**LIST OF CONTENTS OF WALLET, LEWIS ·303-IN. M.G.,
No. 1, FILLED**

Description.	No.
<i>Section C.1</i>	
Boxes , small parts, M.G. No. 2, Mk. I	1
Cleaners , gas regulator, Lewis ·303-in. M.G., Mk. I	1
Guns , machine, Lewis ·303-in.—	
Extractors, Mk. II	4 (a)
Heads, screw, tangent sight	1
Pawls, pinion	1
Pins, head, screw, tangent sight	1
„ pawl pinion	2
„ sear	1
„ trigger	1
Sears, Mk. I	1
Springs, head screw, tangent sight	1
„ pawl, feed arm	1
„ pawl, pinion	2
„ pawls, stop magazine	1
„ return	1 (b)
Guns , machine, Lewis ·303-in., Mk. I—	
Screws, clamp ring, No. 2	2 (c)
Screwdrivers , small, M.G., Mk. I	1

(a) Or Mk. I (Mk. II is supplied with spring).

(b) With return spring casing and hub in tin box.

(c) Or No. 1.

**LIST OF CONTENTS OF WALLET, LEWIS ·303-IN. M.G.,
No. 2, FILLED**

Description.	No.
<i>Section C.1</i>	
Balances , spring, combination, Lewis ·303-in. M.G., Mk. I ...	1 (a)
Boxes , small parts, M.G., No. 2, Mk. I	1
Guns , machine, Lewis ·303-in.—	
Bolts	1
Casings, pinion, assembled	1
Ejectors	1
Extractors, Mk. II	2 (b)
Guides, cartridge	2
Handles, cocking, No. 1	1
Pawls, feed arm, Mk. I*	1 (c)
„ stop, magazine, No. 1, Left, Mk. I*	1 (c)
„ stop, magazine, No. 2, Right, Mk. I*	1 (c)
Pins, locking, body	1
Springs, pawl, feed arm	2
„ pawls, stop, magazine	1
Plugs , clearing, Lewis ·303-in. M.G., Mk. I	1
Reflectors , mirror, ·303-in. M.G., Mk. I	1

(a) Or Balance, spring, M.G., Mk. I.

(b) Or Mk. I (Mk. II is supplied with spring).

(c) Or Mk. I (under heading of Guns, machine, Lewis ·303-in. Mk. I).

LIST OF CONTENTS OF CASE, SPARE PARTS AND TOOLS,
VICKERS ·303-IN. M.G., MK. I, FILLED

Description.	No.
<i>Section C.1</i>	
Balances, spring, M.G., Mk. I	1
Cans, oil, M.G., Mk. I	1
Guns, machine, Vickers ·303-in.—	
Locks	1
Springs, fusee, with fittings	1
Plugs, clearing, Vickers ·303-in. M.G., Mk. I	1
Tools, combination, Vickers ·303-in. M.G., Mk. II	1 (a)
Wallets, Vickers ·303-in. M.G., Mk. I, Filled	1

LIST OF CONTENTS OF WALLET, VICKERS ·303-IN. M.G.,
MK. I

Description.	No.
<i>Section B.1</i>	
Pullthroughs—	
Double, Mk. I, “B”	1 (b)
Gauze	1 (b)
<i>Section C.1</i>	
Guns, machine, Vickers, ·303-in.—	
Cups, muzzle-attachment, ball, Mk. II	1
Discs, muzzle-attachment, ball	1
Fusees, with chain	1
Gibs, No. 3	1 (c)
Pins, firing, No. 2	1 (d)
„ trigger	1
„ tumbler	1
Sears	1
Springs, gib	1
„ lock, No. 2	2 (d)
Triggers	1
Tumblers	1
Washers, adjusting, No. 1	3
„ adjusting, No. 2	3
Guns, machine, Vickers, ·303-in., Mk. I—	
Corks, for plug	1
Protectors, muzzle, Vickers ·303-in. M.G., Mk. I	1
Punches—	
No. 3, M.G., Mk. I	1
No. 5, M.G., Mk. I	1
Reflectors, mirror, ·303-in. M.G., Mk. I	1
Screwdrivers, small, M.G., Mk. I	1
<i>Section F</i>	
Pliers, side-cutting, 6-in.	1
<i>Section G.1</i>	
Pins, keep, split, $\frac{1}{8}$ -in. $\times$ $2\frac{1}{2}$ -in.	3 (e)

- (a) Or Mk. I. (b) To be increased to 2 on mobilization.
(c) Or No. 2. (d) Or No. 1.
(e) For Mk. IV tripod mounting.

LIST OF CONTENTS OF BOX, SPARE PARTS AND TOOLS,
VICKERS ·303-IN. M.G., MK. II, FILLED

Description.										No.
<i>Section B.1</i>										
Pullthroughs—										
Gauze	...	...	...	...	...	...	...	...	...	4
<i>Section C.1</i>										
Belts, ·303-in., 250-round, Mk. I—										
Eyelets, long	...	...	...	...	...	...	...	oz.	...	1
Strips, long	...	...	...	...	...	...	...	...	...	25
" short	...	...	...	...	...	...	...	...	...	25
Boxes, small parts, M.G., No. 1, Mk. I										3
Guns, machine, Vickers ·303-in.—										
Blocks, feed, right-hand	...	...	...	...	...	...	...	...	...	2
Bushes, axis, side levers	...	...	...	...	...	...	...	...	...	1
Collars, roller	...	...	...	...	...	...	...	...	...	1
Cups, muzzle-attachment, ball, Mk. II	...	...	...	...	...	...	...	...	...	1
Discs, muzzle-attachment, ball	...	...	...	...	...	...	...	...	...	4
Fusees, with chain	...	...	...	...	...	...	...	...	...	1
Gibs, No. 3	...	...	...	...	...	...	...	...	...	1 (a)
Levers, extractor, Left, No. 2	...	...	...	...	...	...	...	...	...	1 (b) (e)
" extractor, Right, No. 2	...	...	...	...	...	...	...	...	...	1 (b) (e)
Packing, asbestos	...	...	...	...	...	...	...	...	...	4 (c)
Pins, firing, No. 2	...	...	...	...	...	...	...	...	...	2 (b)
" fixing, crank handle	...	...	...	...	...	...	...	...	...	1
" split, bush, axis, side levers	...	...	...	...	...	...	...	...	...	1
" split, check nut, long	...	...	...	...	...	...	...	...	...	3
" split, collar, roller, No. 2	...	...	...	...	...	...	...	...	...	2
" split, muzzle-attachment	...	...	...	...	...	...	...	...	...	1
" T, fixing, rear-crosspiece	...	...	...	...	...	...	...	...	...	2
" trigger	...	...	...	...	...	...	...	...	...	1
" tumbler	...	...	...	...	...	...	...	...	...	1
Plugs, front cover catch	...	...	...	...	...	...	...	...	...	2
Plungers, front cover catch	...	...	...	...	...	...	...	...	...	2
Rollers	...	...	...	...	...	...	...	...	...	1
Springs, bottom pawl, R.H. feed block										
" rear cover lock	...	...	...	...	...	...	...	...	...	1
" front cover catch	...	...	...	...	...	...	...	...	...	2
" gib	...	...	...	...	...	...	...	...	...	1
" lock, No. 2	...	...	...	...	...	...	...	...	...	4 (b)
" sear	...	...	...	...	...	...	...	...	...	2
" top pawls, feed block, No. 1	...	...	...	...	...	...	...	...	...	2
Guns, machine, Vickers ·303-in., Mk. I—										
Corks, for plug	...	...	...	...	...	...	...	...	...	1
Glands, packing	...	...	...	...	...	...	...	...	...	1
Plugs, cork	...	...	...	...	...	...	...	...	...	1
" screwed	...	...	...	...	...	...	...	...	...	1
Sights, fore	...	...	...	...	...	...	...	...	...	1
" tangent, Mk. III**	...	...	...	...	...	...	...	...	...	1
Springs, safety catch	...	...	...	...	...	...	...	...	...	2 (d)
" shutter catch	...	...	...	...	...	...	...	...	...	2
" tangent sight	...	...	...	...	...	...	...	...	...	1
" trigger bar	...	...	...	...	...	...	...	...	...	2

(a) Or No. 2.

(b) Or No. 1.

(c) Pieces 5 yards long.

(d) With piston.

(e) Interchangeable with No. 1 levers in locks, but wherever possible they should be assembled in their respective groups.

LIST OF CONTENTS OF BOX, ETC.—*continued*

Description.	No.
<i>Section C.1—continued</i>	
Hammers, M.G., Mk. I	1
Mountings, tripod, .303-in. M.G., Mk. IV—	
Washers, elevating nut	6
Screwdrivers, large, M.G., Mk. I	1
Tools, belt repairing, Vickers .303-in. M.G., Mk. I	1
<i>Section F</i>	
Spanners, adjustable, 7-in.	1
<i>Section G.1</i>	
Pins, keep, split, $\frac{1}{8}$ -in. $\times$ $2\frac{1}{4}$ -in.	6 (a)

(a) For Mk. IV tripod mounting.

NOTE.—Items carried in the filled box which are separately demandable and separately chargeable, are not included in these lists.

BAGS, ARMOURERS', M.G., MK. I, FILLED

Bag and List of Contents

Description.	No.
<i>Section B.3</i>	
Bags, Armourers', S.A., Mk. I	1
Drifts, Armourers'—	
No. 2	1
No. 5	1
Pincers, Armourers'	1
Screwdrivers, Armourers'—	
Small	1
Large	1
Sticks, carborundum	1
<i>Section C.1</i>	
Balances, spring, M.G., Mk. I	1
Hammers, M.G., Mk. I	1
<i>Section F</i>	
Files—	
Bastard—	
Flat, 6-in.	1
Round, 6-in.	1
Smooth—	
Flat, 6-in.	1
Half-round, 8-in.	1
Pillar, 5-in.	1
Handles, small	4
Mallets, raw hide	1
Pliers—	
Round nose, 6-in. pr.	1
Side-cutting, 8-in.	1
8-in cutters	2
Spanners, adjustable, 7-in.	1
Vices, hand, 5-in.	1
<i>Section H.1</i>	
Cloth, Emery, No. F	Quires. 1/24

NOTE.—Items carried in the filled bag which are separately demandable and separately chargeable, are not included in this list.

APPENDIX 18

(Referred to in para. 489)

INSTRUCTIONS FOR THE CARE AND PRESERVATION OF
FLUTES AND PICCOLOS

The player in whose care the instrument is placed must carefully observe the following instructions :—

1. The instrument, whilst warm or wet inside, must not be placed in the sun nor laid on cold stone or iron.

2. Oil the key springs once or twice a week with a refined lubricating oil.

3. After use wipe away the moisture from the joints and, when perfectly dry, oil the woodwork, including the joints and the bore, with pure raw linseed oil, and finally well rub the parts with a dry absorbent rag.

The bore may be cleaned and oiled with the aid of a cleaning rod, but the rag must not be forced through.

4. When not in use, the instrument must be oiled once or twice a week as described above.

INSTRUCTIONS FOR LAPPING DRUM HEADS

1. The head should be steeped in water for 15 minutes, then folded and left for half an hour.

If left too long in water the head will waste away and become rotten.

2. All superfluous moisture should then be removed from the head, which should be lapped well round the flesh hoop so as to bring the edge of the head well round to the outer side of the hoop. Avoid lapping the head too tight, as it draws the hoop out of shape.

3. The head should then be fitted to the drum and left for two or more days, according to the weather, so that the vellum under the hoop may get thoroughly dry before being taken into use. If this point is not attended to, the head will most likely give way round the edges soon after the drum is "slung" up; it is, therefore, advisable to take the head off, and if found to be the least damp round the edge, leave it to get quite dry before putting it on again.

4. The drying of the heads must not be hastened by artificial means, such as putting them by the fire or in the sun; a cool, dry air is best.

APPENDIX 19

(Referred to in para. 481)

TABLE 1.—Material for repair of Bandolier Equipment (Pattern 1903), etc.

PEACE ONLY

Description.	Annual supply for 100.								
	Bandoliers.		Belts, waist, B.E. Leather.	Carriers, greatcoat.	Covers, mess-tin, O.S.	Pockets car- tridge, 15 rounds. Mk. II.	Straps, brown, great- coat.	Carriers, water-bottle, O.S.	Haversacks, O.S.
	50 rounds.	90 rounds.							
<i>Section A.1</i>									
Billets, brown, B.E.—									
11½-in. × 1½-in.	—	1	—	—	—	—	—	—	—
5½-in. × 1½-in.	1	—	—	—	—	—	—	—	—
3½-in. × 1-in.	—	—	—	—	—	2	—	—	—
Buckles brass—									
1½-in. ...	5	5	—	—	—	—	—	—	—
Coatstrap ...	—	—	—	—	—	—	3	—	—
Carrier, water- bottle, O.S. ...	—	—	—	—	—	—	—	4	—
Waistbelt, 1½-in.	—	—	3	—	—	—	—	—	—
Buttons, horn	—	—	—	—	10	—	—	—	—
Canvas, drab, 24-in. yards	—	—	—	—	1½	—	—	—	—
Chapes, web, 2-in., with buckle	—	—	—	—	—	—	—	—	6
“ web, 1-in.	—	—	—	—	—	—	—	—	4
“ with 1 buckle	—	—	—	—	—	—	—	—	—
Clips, brass ...	—	—	—	8	—	—	—	—	—
Eyelets ... oz.	—	—	—	—	—	—	—	—	—
Hooks, brass—									
Long bar ...	—	—	—	8	—	—	—	—	—
Short bar ...	—	—	—	4	—	—	—	—	—
Loops, brass—									
1½-in. ...	—	—	—	—	—	3	—	—	—
1-in. ...	—	—	—	2	—	—	—	—	—
¾-in. ...	—	—	—	—	—	—	—	2	—
Loops, leather, brown—									
¾-in. × 4½-in. ...	5	5	—	—	—	—	—	—	—
¾-in. × 5½-in. ...	—	—	5	—	—	—	—	—	—
1½-in. × 3½-in. ...	—	—	—	—	4	—	—	—	—

TABLE 1.—*continued*

Description.	Annual supply for 100.								
	Bandoliers.		Belts, waist, B.E. Leather.	Carriers, greatcoat.	Covers, mess-tin, O.S.	Pockets, car- tridge, 15 rounds. Mk. II.	Straps, brown, great- coat.	Carriers, water-bottle, O.S.	Haversacks, O.S.
	50 rounds.	90 rounds.							
<i>Section A.1—con- tinued</i>									
Loops, leather, buff— 1½-in × 3¾-in.	—	—	—	—	4(a)	—	—	—	—
Rings, brass— Carrier, water- bottle ...	—	—	—	—	—	—	—	3	—
Cover, mess-tin, O.S. ...	—	—	—	—	3	—	—	—	—
Rivets, copper, tinned— ¾-in. × 11 S.W.G.	6	6	—	—	—	6	—	10	—
Slides, brass— 1-in. ...	—	—	—	2	—	—	—	—	—
2-in. ...	—	—	—	4	—	—	—	—	—
Straps, brown— Guard ...	6	10	—	—	—	—	—	—	—
Steadying ...	4	—	—	—	—	—	—	—	—
Studs, brass— Bandolier ...	10	10	—	—	—	4	—	—	—
Steadying strap, bandolier ...	4	—	—	—	—	—	—	—	—
Tabs, web— 1-in. × 6¾-in. ...	—	—	—	—	—	—	—	—	6
Tips, 1-in. ...	—	—	—	—	—	—	—	—	3
Triangles ...	4	4	—	—	—	—	—	—	—
Web, cotton, drab— 1-in. yards	—	—	—	2	½	—	—	—	—
2 in. „	—	—	—	20	—	—	—	—	—
13-in. × 2-in. pieces	—	—	—	—	—	—	—	6	—
<i>Section H.2</i>									
Thread, linen, machine— No. 18, drab oz.	—	—	—	—	—	—	—	—	½
No. 35, drab „	—	—	—	½	1	—	—	—	—

(a) For covers fitted with buff loops.

TABLE 2.—Materials for the Repair of Water-Bottles

(Referred to in para. 481)

PEACE ONLY

Description.	Proportions.
<i>Section A.1</i>	
Covers, water-bottle, Mk. VI	} As necessary.
Stoppers, cork, Mk. VI water-bottle	
Cords	

TABLE 3.—Material for Repair of Web Equipment

(Referred to in para. 481)

Description.	Attachments, brace.	Belts, waist, W.E.	Belts, waist, W.E. special.	Braces, with buckle.	Carriers, cartridge.	Carriers, water-bottle.	Frogs, web, bayonet.	Haversacks, W.E.	Packs.	Straps, web, supporting.	Slings, rifle, web.
<i>Section A.1</i>											
Billets, W.E.—											
$\frac{1}{2}$ -in. $\times$ 6 in. ...	—	—	—	—	(a)	—	—	—	—	—	—
Buckles, brass—											
1-in. ...	—	—	—	—	(a)	(a)	—	(a)	(a)	(a)	—
2-in. ...	—	(a)	(a)	(a)	(a)	(a)	—	(a)	—	—	—
3-in. ...	—	(a)	(a)	—	—	—	—	—	—	—	—
Catches, web slings ...	—	—	—	—	—	—	—	—	—	—	(a)
Chapes, web—											
1-in. with 1 buckle	—	—	(a)	—	—	—	—	—	(a)	—	—
" with 2 buckles	—	—	—	—	—	—	—	(a)	—	—	—
2-in with buckle ...	—	—	(a)	—	—	—	—	—	—	—	—
Eyelets (a) ...	—	—	—	—	—	—	—	—	—	—	—
Fasteners, snap—											
Base ...	—	—	—	—	(a)	(a)	—	—	—	—	—
Crown, bottom ...	—	—	—	—	(a)	(a)	—	—	—	—	—
" top ...	—	—	—	—	(a)	(a)	—	—	—	—	—
Washers ...	—	—	—	—	(a)	(a)	—	—	—	—	—
Flaps, with base of fastener and chape } with brass loop	—	—	—	—	(a)	—	—	—	—	—	—
Flaps, with crown of fastener ...	—	—	—	—	(a)	—	—	—	—	—	—

(a) As necessary.

TABLE 3.—*continued*

Description.	Attachments, brace.	Belts, waist, W.E.	Belts, waist, W.E. special.	Braces, with buckle.	Carriers, cartridge.	Carriers, water-bottle.	Frogs, web, bayonet.	Haversacks, W.E.	Packs.	Straps, web, supporting.	Slings, rifle, web.
<i>Section A.1—continued</i>											
Hooks, brass, double...	—	—	—	—	(a)	—	—	—	—	—	—
„ brass, with tip	—	(a)	(a)	—	—	—	—	—	—	—	—
Rivets, brass (a) ...	—	—	—	—	—	—	—	—	—	—	—
„ brass, washers (a) ...	—	—	—	—	—	—	—	—	—	—	—
Rivets, copper tinned, $\frac{3}{8}$ -in. $\times$ 11 S.W.G. oz.	—	—	—	—	—	—	—	—	—	—	(a)
Rivets, copper tinned, washers, No. 11 S.W.G. ... oz.	—	—	—	—	—	—	—	—	—	—	(a)
Slides, brass, 3-in. ...	—	(a)	(a)	—	—	—	—	—	—	—	—
Tabs, web—											
1-in. $\times$ 6 $\frac{1}{2}$ -in. ...	—	—	—	—	—	—	(a)	(a)	—	—	—
1-in. $\times$ 10 $\frac{1}{2}$ -in. ...	—	—	—	—	—	—	—	—	(a)	—	—
1-in. $\times$ 15-in. ...	(a)	—	—	—	(a)	—	—	—	—	—	—
2-in. $\times$ 7 $\frac{1}{2}$ -in. ...	—	—	—	—	—	—	—	(a)	(a)	—	—
2-in. $\times$ 8 $\frac{1}{2}$ -in. with buckle ...	—	(a)	—	—	—	—	—	—	—	—	—
2-in. $\times$ 12 $\frac{1}{2}$ -in. with buckle ...	—	—	—	—	(a)	—	—	—	—	—	—
Tabs, cartridge, carrier	—	—	—	—	(a)	—	—	—	—	—	—
Tips—											
$\frac{1}{2}$ -in. ...	—	—	—	—	(a)	—	—	—	—	—	—
1-in. ...	(a)	—	—	—	(a)	(a)	—	(a)	(a)	(a)	—
2-in. ...	—	(a)	—	(a)	(a)	—	—	(a)	(a)	—	—
3-in. ...	—	(a)	—	—	—	—	—	—	—	—	—
Web, drab—											
1-in. thick ... yards	—	—	—	—	—	(a)	(a)	—	(a)	—	—
1 $\frac{1}{2}$ -in. ...	—	—	—	—	—	—	(a)	—	—	—	—
1 $\frac{3}{4}$ -in. ...	—	—	—	—	—	—	(a)	—	—	—	—
2-in. ...	—	—	—	—	—	(a)	—	—	—	—	—
<i>Section H.2</i>											
Thread, linen, machine											
No. 18, drab (a) ...	—	—	—	—	—	—	—	—	—	—	—
No. 25, drab (a) ...	—	—	—	—	—	—	—	—	—	—	—

(a) As necessary.

TABLE 4.—Composition for the Preservation of
Brown Leather Accoutrements*(Referred to in para. 480)*

Description.	12 months' supply for 100.	
	lb.	oz.
<i>Section A.1</i>		
Aprons, leg, brown	11	10
Bandoliers—		
90 rounds	8	4
50 rounds	4	8
Hotchkiss	7	8
Belts, shoulder, sword, Sam Browne	3	12
„ waist, B.E., leather	1	8
„ waist, brown, M.S.	7	8
„ waist, sword, Sam Browne, Mk. II	7	8
Carriages, drum, side, brown	4	8
Carriers, water-bottle, O.S....	1	8
Cases, pistol { Sam Browne	3	12
Webley	3	0
Frogs, brown, bayonet	1	8
Frogs, cutter wire folding, Mk. I—		
Straps	0	12
Pockets, cartridge, 15 rounds, Mk. II	0	12
Pouches, ammunition, pistol—		
Sam Browne	3	12
Webley	2	10
Slings, rifle, Patt. '14	2	4
Straps, brown—		
Greatcoat	0	12
Mess-tin, M.S.	1	8

TABLE 5.—Tools for the Repair of Web Equipment

(Referred to in para. 475)

Description of Stores.	Establishment of Unit.	
	499 and under.	500 and over.
<i>Section F</i>		
Awls—		
Blades, garnishing	2	4
Handles, brad, small (a)	1	2
Hammers, carpenters', Warrington pattern, 8-oz.	1	2
Knives, trimming	1	2
Mallets, boxwood	1	1
Needles, sewing, hand—		
No. 1 (b) packets	1	1
No. 2 (b) „	1	1

(a) Awls, handles, drawing, will be issued in lieu until stock is exhausted.

(b) To be provided locally.

TABLE 5.—*continued*

Description of Stores.	Establishment of Unit.	
	499 and under.	500 and over.
<i>Section F—continued</i>		
Nippers, end cutting, 9-in.	1	1
Pliers, eyelet, Mk. II (a) prs.	1	1
Punches, round, $\frac{1}{2}$ -in.	1	1
Scissors, 8-in. prs.	1	1
Sets, riveting, No. 10	1	1
<i>Pimlico Section 20</i>		
Tapes, measuring	1	1

(a) Already allowed to infantry battalions under Equipment Regulations, Part 2, Section 1.

TABLE 6.—**Instructions for Repair of Web Equipment**

(*Referred to in para. 482*)

1. Articles of web equipment usually become unserviceable through friction. Where the webbing has become frayed in or about the centre of any part it can be neatly darned, but where the edges are frayed a new part should be fitted.

2. When new fasteners, eyelets and rivets are fitted, the webbing should not be cut (punched), but parted with an awl.

3. **Attachments, Brace.**—The 15-in. by 1-in. strap is the part that usually requires repair; it wears out quickly where it connects with the buckles of the waistbelt and supporting straps, and should be replaced when necessary.

4. **Belts, Waist.**—These are supplied in three sizes—large 56-in., medium 50-in., small 44-in., overall. When fitting new tabs with buckles (or with belts, waist, special-chapes and buckles), care should be taken to fit them in the correct position and at the proper angle, otherwise the position of the braces will be affected. To ensure that the correct position is obtained the belts should be lightly marked with chalk at either side of the old tab or chape before it is removed. This also applies when fitting new back tabs to haversacks and packs and to back chapes and buckles of haversacks, O.S.

5. **Braces and Straps, Supporting.**—These usually become badly frayed on the edges and at the parts where fixed to the buckles, and very little can be done where the edges are frayed. Practically the only repairs carried out are the

replacement of tips. After these are fitted they should be tried through a buckle, and if found too wide the sides should be tapped until they fit.

6. Carriers, Cartridge.—These usually require a large percentage of fasteners and flaps. When new flaps are fitted, sufficient length should be allowed for shrinkage. It is usual to allow $\frac{1}{2}$ in. to $\frac{3}{4}$ in., and, as a guide, the crown part of fastener should come about $\frac{3}{4}$ in. below the base part when the pockets are filled with ammunition. (See para. 2 above for fitting fasteners.)

7. Carriers, Water-Bottle.—These, as in the case of braces, become frayed at the edges, and very little in the way of repairs can be done. If new parts are fitted the top band should be made slightly full to allow for shrinkage.

8. Frogs.—The loops on the front wear out quickly at the part where the nipple of the scabbard rests. When fitting new loops the top loop should be slightly larger than the bottom loop so as to allow the nipple of the scabbard to pass under.

9. Haversacks.—The back of the haversack wears out more quickly than the other parts owing to friction with the scabbard. As soon as small holes are noticed they should be neatly darned, as when once the yarn is worn away the small holes quickly become larger. The same remarks apply to haversacks, O.S., through friction against the man's clothing. (See para. 4 above for fitting new tabs, chapes and buckles.)

10. Loops, Dirk.—New parts should be fitted when the edges become frayed.

11. Packs.—The back of the pack usually becomes worn through contact with the back belt buckles. The worn places should be neatly darned. (See para. 4 above for fitting back tabs.)

The thread used for the various parts is as stated below :—

Attachments, Brace.—No. 18, 3-cord, linen.

Belts.—No. 18, 3-cord, linen.

Carriers, Cartridge.—No. 18, 3-cord, linen (excepting the flaps, which should be sewn with No. 25).

Carriers, Water-Bottle.—No. 25, 3-cord, linen (excepting the buckle parts, which are sewn with No. 18).

Frogs.—No. 18, 3-cord, linen.

Haversacks.—The gusset, back tabs, and the large buckle parts, No. 18. All other parts No. 25.

Loops, Dirk.—No. 18, 3-cord, linen.

Packs.—No. 25, 3-cord, linen (excepting the sides and back tabs, which are to be sewn with No. 18).

Straps, Supporting.—No. 18, 3-cord, linen.

(704)—8*

APPENDIX 20

(Referred to in paras. 282, 305 and 490)

MATERIALS FOR REPAIR OF HARNESS AND SADDLERY

1. In calculating for establishments beyond those given, the higher numbers should be used, and columns added together, as far as possible. For example :—

$$\begin{aligned} 20 \text{ sets} &= 40 \div 2, \text{ not } 4 \times 5. \\ 49 \quad &= 40 + 8, \quad 10 \times 5. \end{aligned}$$

A variation of two sets may be disregarded.

TABLE 1.—Materials for Repair of Harness and Saddlery
Peace only

Additional issues will be made to regiments of Household Cavalry as detailed in E.R., Part 2,
Section 11

Description.	12 Months' Supply.										Remarks.
	Saddlery, Officers' sets.	Harness. Single sets.				Saddlery. Universal. Sets.					
		5	8	25	40	6	15	40	100		
		Articles common to all Patterns									
Section D.1 Attachments, V-girth { near off chapes	...	—	1	2	3	1	1	3	8	As necessary.	
	...	—	1	2	3	1	1	3	8		
	...	—	—	—	—	—	—	—	—		
	...	—	—	—	—	—	—	—	—		

As necessary.

[illegible]

TABLE 1.—*continued*

Description.	12 Months' Supply.										Remarks.
	Saddlery, Officers, 5 sets.	Harness, Single sets.				Saddlery, Universal. Sets.					
		5	8	25	40	6	15	40	100		
Articles common to all Patterns—continued.											
Straps { girth, V-attachment { releasable	—	2	4	12	18	3	7	18	45		
	—	2	2	8	12	—	—	—	—		
	—	1	2	3	6	—	—	—	—		
	—	2	2	3	5	2	2	5	12		
Section G.1											
Nails, steel, clout, fine, $\frac{1}{4}$ -in.	—	—	—	—	—	—	—	—	—		
Screws, iron { $\frac{1}{4}$ -in. gauge, No. 10 { $\frac{1}{2}$ -in. gauge, No. 8	—	3	4	12	20	3	8	20	50		
	—	3	4	9	20	3	8	20	48		To be provided locally.
Tacks, steel, cut, No. 197 ...	—	—	—	—	—	—	—	—	—		
Section G.2											
Wire, copper, No. 7, S.W.G. (hard)	—	—	1	2	4	—	2	4	8		
Zinc, alloy	—	1	1	3	5	1	2	5	12		
Section H.1											
Beeswax	2	1	1	2	4	1	2	4	8		
Borax	—	1	1	3	5	1	2	5	12		
Glue, ordinary	—	2	2	4	8	2	4	8	16		
Paint, P.F.U.—black lamp (a)	—	2	2	4	8	2	4	8	16		
Wax, black	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{3}{8}$	1 $\frac{1}{2}$	2	$\frac{1}{2}$	$\frac{1}{2}$	1 $\frac{1}{2}$	4		To be provided locally.
Section H.2											
Canvas, sail, No. 3	—	3	3	6	10	3	3	10	25		For nosebags.
Cord { cotton	—	1	2	6	10	—	—	—	—		
{ whip	—	$\frac{1}{2}$	$\frac{3}{4}$	2	3 $\frac{1}{2}$	—	—	—	—		
Felt, brown, 60-in.	—	5	5	10	15	5	5	12	28		

Flock ...	lb.	2½	½	1	3	5	—	—	—	For pannels, officers', and for easing pads for neck and breast collars.
Thread, flax, undyed	balls	1	2	3	10	16	1	3	20	
Twine { quilting ...	oz.	2	(b) 1	(b) 1	(b) 2	(b) 4	(b) 1	(b) 2	(b) 8	
Web, hemp { 3-in. ...	yds.	1	2	3	8	13	2	5	32	For head ropes, parade and stable.
Worsted, yarn, grey { 2-in. thick ...	oz.	—	½	1	1½	2	1	2	4½	Straining web for saddles, S.U.
		—	2	2	4	7	2	3	16	For horse brushes.
<i>Not in Vocabulary</i>										
<i>Old Stores</i>										
Blankets, saddle, cutting ...	lb.	—	½	1	2	3½	1	1½	3½	
Linen { or cotton, old (for cleaning) ...	"	—	2½	4	12½	20	1½	3½	10	
Linens { old (for nosebags) ...	"	—	½	1	1½	2	1	1½	2	
<i>Section D.1</i>										
Bastis, brown, strained ...	...	1	—	—	—	—	—	—	—	For head collars and surcingles.
Buckles { brass, roller, 1½-in. ... double ½-in. (c) ... nickel, barred, 1½-in. ... " roller, single, 1-in., barred (d) ...	...	1	—	—	—	—	—	—	—	For reins.
	...	1	—	—	—	—	—	—	—	For shoe cases.
	...	1	—	—	—	—	—	—	—	For stirrup leathers.
	...	1	—	—	—	—	—	—	—	For girths.
Flaps, saddle, S.O. ...	pairs	2	—	—	—	—	—	—	—	Mk. IV or V, according to pattern of saddle in possession.
Rings, brass { 1½-in. ...	...	1	—	—	—	—	—	—	—	For head collars.
Skins, lamb, black ...	...	1	—	—	—	—	—	—	—	" "
Squares, brass, 1½-in. ...	...	1	—	—	—	—	—	—	—	For head collars.
<i>Section H.2.</i>										
Thread, flax, yellow ...	oz	2	—	—	—	—	—	—	—	

(a) Ink, marking, black, woollens, to be issued until stock is used up (1 pint = 1 lb.).

(b) ½-oz. for every pair stuffed pannels in use.

(c) To be replaced by Buckles, brass, double, ½-in., when stock is exhausted.

(d) To be replaced by Buckles, nickel, single, 1-in., barred, when stock is exhausted.

TABLE 1.—*continued*

Description.	12 Months' Supply.										Remarks.
	Saddlery, Officers, sets.	Harness. Single sets.				Saddlery, Universal. Sets.					
		5	8	25	40	6	15	40	100		
Articles special to Harness, Shaft Draught											
<i>Section D.1</i>	—	—	1	1	2	—	—	—	—	} For 1½-in. backbands and tugs.	
Buckles, iron, roller, { 1½-in., bow leg single { 1½-in. ...	—	—	1	1	2	—	—	—	—		
Flaps, saddle, luggage ... pairs	—	—	1	2	3	—	—	—	—		
Seats, saddle, luggage ...	—	—	—	1	2	—	—	—	—		
Articles special to Harness, Pole Draught											
<i>Section D.1</i>	—	—	—	1	2	—	—	—	—	} For breechings, breast collars, etc.	
Attachments, releasable { neck piece adjustable { wire trace ...	—	—	—	1	1	—	—	—	—		
Buckles { brass, bent heel { 1½-in. 1½-in. 1½-in.	—	—	1	1	2	—	—	—	—		
	—	—	1	1	2	—	—	—	—		
Dees, single, 1-in. ...	+	—	1	2	3	—	—	—	—	For long reins.	
Dees, steel, 2-in. × 2-in. ...	—	—	—	2	4	—	—	—	—	Breast collar.	
Hooks, trace, wire, short ...	—	—	—	1	2	—	—	—	—	For units equipped with short wire traces.	
Links, double { 2½-in. ...	—	—	—	1	2	—	—	—	—	Tugs, neckpiece.	
“ trace, wire, short ...	—	—	—	1	1	—	—	—	—	Tugs, breast collar.	
	—	—	—	1	2	—	—	—	—	For units equipped with short wire traces.	

Pipes, wire trace, strips	14½-in. ...	...	...	(a)	(b)	(c)	(d)	(e)	(a)	(b)	(c)	(d)	(e)	For traces, wire, long and adjustable.
	27½-in. ...	...	...	(a)	(b)	(c)	(d)	(e)	1	2	20	20	40	For traces, short. wire
	30-in. ...	...	...	(a)	(b)	(c)	(d)	(e)	1	2	20	20	40	long. wheel.
	37½-in. ...	...	...	(a)	(b)	(c)	(d)	(e)	1	2	20	20	40	Tugs, breast collar.
	64-in. ...	...	...	(a)	(b)	(c)	(d)	(e)	1	2	20	20	40	Breast collar.
Rings { steel, 1½-in., with chain	...	...	...	(a)	(b)	(c)	(d)	(e)	1	2	20	20	40	Breast collar and hip straps.
" { " 2½-in. with cranked link	...	...	...	(a)	(b)	(c)	(d)	(e)	1	2	20	20	40	Breast collar.
Rivets, copper, { ½-in., No. 6, S.W.G.	...	...	...	(a)	(b)	(c)	(d)	(e)	1	2	20	20	40	For wire traces.
tinned { ¾-in., No. 6	...	...	...	(a)	(b)	(c)	(d)	(e)	1	2	20	20	40	Trace bearers.
Squares, iron, 1½-in.	...	...	...	(a)	(b)	(c)	(d)	(e)	1	2	20	20	40	For breast collar grummet tugs and wire traces.
Swivels, with shackle, wire trace	...	...	...	(a)	(b)	(c)	(d)	(e)	1	2	20	20	40	
Thimbles, iron, galvanized ...	...	...	...	(a)	(b)	(c)	(d)	(e)	1	2	20	20	40	
Washers, copper, { No. 6, S.W.G.	...	...	...	(a)	(b)	(c)	(d)	(e)	1	2	20	20	40	
tinned { No. 12 "	...	...	...	(a)	(b)	(c)	(d)	(e)	1	2	20	20	40	
Rope, galvanized, 1-in. ... fms.	...	...	...	(a)	(b)	(c)	(d)	(e)	1	2	20	20	40	
Section E.3														
Section D.1														
Basils, brown, unstrained ...	...	...	...	(a)	(b)	(c)	(d)	(e)	1	2	20	20	40	1 for every 2 neck collars in use.
Buckles { brass, bent heel, 1-in.	...	...	...	(a)	(b)	(c)	(d)	(e)	1	2	20	20	40	10 per cent. for cavalry rifle buckets on charge.
	...	...	...	(a)	(b)	(c)	(d)	(e)	1	2	20	20	40	For Lancer regiments.
Dees, brass, 1-in. × ¾-in.	...	...	...	(a)	(b)	(c)	(d)	(e)	1	2	20	20	40	10 per cent. for cavalry rifle buckets on charge.
Steelpieces ...	...	...	...	(a)	(b)	(c)	(d)	(e)	1	2	20	20	40	20 per cent. for cavalry rifle buckets on charge.

(a) 25 per cent. of wire, long, and wire, adjustable, traces on charge. (b) 25 per cent. of wire, adjustable, traces on charge.
(c) 20 per cent. of wire, short, traces on charge. (d) 25 per cent. of wire, long, traces on charge.
(e) 15 per cent. of wire, wheel, traces on charge.

TABLE 1.—*continued*

Description.	12 Months' Supply.										Remarks.
	Saddlery, Officers, 5 sets.	Harness, Single sets.				Saddlery, Universal. Sets.					
		5	8	25	40	6	15	40	100		
Miscellaneous—continued											
<i>Section F</i> Needles { harness ... saddlers', sewing ...	1	1	2	6	10	1	4	10	25	} To be provided locally.	
	1	1	2	5	8	1	3	8	20		
<i>Section H.1</i> Paint, P.F.U., black lamp (c)	—	—	—	—	—	—	—	—	—	4 oz. for every 150 blankets.	
<i>Section H.2</i> Thread, linen, hand { black, 3-cord whited brown	2 (a)	—	—	—	—	—	—	—	12(b)	1 oz. for every 5 pairs hair panels, and $\frac{1}{2}$ oz. for every 5 lambskins.	
	—	—	—	—	—	—	—	—	—		

(a) Except Household Cavalry.

(c) Ink, marking, black, woollens, to be issued until stock is used up (1 pint = 1 lb.).

(b) Life Guards and Royal Horse Guards only.

TABLE 2.—Material for Repair of Harness, Saddlery and Packsaddlery
War only

Description.	Saddlery, Universal.			Harness, P.D.		Packsaddlery.					Remarks.		
	10 sets.	25 sets.	50 sets.	Wheel.		Lead.	Artillery, 25 sets.	G.S., 25 sets.	M.G. Cavalry, 12 sets.	M.G. Infantry, 25 sets.		M.G. Hotchkiss, 12 sets.	
Section D.1													
Attachments, releasable, small	—	—	—	—	—	—	—	—	—	—	—	—	
Basils, brown, unstrained ...	—	—	—	—	—	—	—	—	—	—	—	—	
bent heel, 1-in.	—	—	—	—	—	—	—	—	—	—	—	—	
double, $\frac{3}{4}$ -in.	—	—	—	—	—	—	—	—	—	—	—	—	
roller, double, $\frac{3}{4}$ -in.	—	—	—	—	—	—	—	—	—	—	—	—	
Buckles													
" single, $1\frac{1}{4}$ -in.	—	—	—	—	—	—	—	—	—	—	—	—	
" double, $1\frac{1}{4}$ -in. curved	—	—	—	—	—	—	—	—	—	—	—	—	
" double, $\frac{3}{4}$ -in.	—	—	—	—	—	—	—	—	—	—	—	—	
nickel, single, 1-in., barred	—	—	—	—	—	—	—	—	—	—	—	—	
triangular, black, japanned	—	—	—	—	—	—	—	—	—	—	—	—	
Chains, curb, S.U. ...	—	—	—	—	—	—	—	—	—	—	—	—	
Dees, brass, 1-in. x $\frac{3}{4}$ -in. ...	—	—	—	—	—	—	—	—	—	—	—	—	
" backs, collar	—	—	—	—	—	—	—	—	—	—	—	—	
Hides, brown	—	—	—	—	—	—	—	—	—	—	—	—	
" heavy	—	—	—	—	—	—	—	—	—	—	—	—	
" cloak	—	—	—	—	—	—	—	—	—	—	—	—	
Hooks, curb, S.U. ...	—	—	—	—	—	—	—	—	—	—	—	—	
Links, cranked, sliding	—	—	—	—	—	—	—	—	—	—	—	—	

TABLE 2.—*continued*

Description.	Saddlery, Universal.			Harness, P.D.		Packsaddlery.				Remarks.			
				Wheel.		Lead.							
	10 sets.	25 sets.	50 sets.	25 sets.	50 sets.	25 sets.	50 sets.	Artillery, 25 sets.	G.S., 25 sets.	M.G. Cavalry, 12 sets.	M.G. Infantry, 25 sets.	M.G. Hotchkiss, 12 sets.	
<i>Section D.1—continued</i>													
Rivets, copper, { tinny { No. 6 S.W.G. { No. 12 { No. 4, S.W.G. { Saddles—	...	...	...	...	...	...	...	...	...	...	...	...	} According to pattern of saddles.
S.U., bars, side, shaped { near ... { off ... { Straps { girth, V-attachment releasable ... { Washers, copper, { No. 6, S.W.G. tinny { No. 12 {	...	...	...	...	...	...	...	...	...	...	...	...	
	...	...	...	...	...	...	...	...	...	...	...	...	
	...	...	...	...	...	...	...	...	...	...	...	...	
	...	...	...	...	...	...	...	...	...	...	...	...	
<i>Section G.1</i>	...	...	...	...	...	...	...	...	...	...	...	...	To be provided locally.
Tacks, steel cut, No. 197	...	...	...	...	...	...	...	...	...	...	...	...	
<i>Section H.1</i>													
Beeswax	...	...	...	...	...	...	...	...	...	...	...	...	
Wax, black	...	...	...	...	...	...	...	...	...	...	...	...	

TABLE 4.—Material for

Description.	Peace—12						
	Saddle-						
	Officers.	Household Cavalry.				Item.	
	5	6	15	40	100		
<i>Section D.1</i>							
Dees, brass, sidebar	—	2	4	8	20	1	
Plates, sidebar	—	—	2	6	12	2	
Rivets, { 1½-in., No. 6, S.W.G.	—	—	—	—	—	3	
iron { 2-in., No. 4, S.W.G.	—	3	9	24	60	4	
Saddles {	arches {	front	1	2	3	5	
			hind	1	1	2	6
				near	—	—	—
			bars, side		shaped	off	—
Saddles, luggage, H.S.D.—	—	—		—		—	—
Troughs, backband	—	—	—	—	—	—	9
<i>Section G.1</i>							
Screws, brass, flat head, ½-in., gauge							
No. 6	8	—	—	—	—	—	11
<i>Section G.2</i>							
Wire, steel, No. 7, S.W.G. (soft for							
rivets) lb.	½	—	½	½	½	—	12
<i>Section H.1</i>							
Oil, linseed, raw pints	—	—	½	½	½	—	13
Paper, glass, No. 2 sheets	—	—	1	1	2	—	14
Varnish {	Japan, black pints	—	—	½	½	½	15
		shellac "	½	—	½	½	—
<i>H.M.S.O. supply.</i>							
Penolls, carpenters'	—	—	1	1	1	—	10

Repair of Saddletrees

Months' Supply.								Remarks.
trees.								
Item.	Luggage.			Universal.				
	5	13	25	6	15	40	100	
1	—	—	—	1	2	4	10	
2	—	—	—	—	2	6	12	
3	—	*	*	—	*	*	*	
4	3	8	15	3	9	24	60	
5	—	1	1	—	1†	2†	3†	
6	—	1	1	—	1†	1†	2†	
7	—	1	2	—	1†	3†	6†	
8	—	1	2	—	1†	3†	6†	
9	—	1	1	—	—	—	—	
11	—	—	—	—	—	—	—	
12	—	$\frac{1}{2}$	$\frac{1}{2}$	—	$\frac{1}{2}$	$\frac{1}{2}$	1	
13	—	—	—	—	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	
14	—	—	1	—	1	2	4	
15	—	$\frac{1}{2}$	$\frac{1}{2}$	—	$\frac{1}{2}$	$\frac{1}{2}$	1	
16	—	$\frac{1}{2}$	$\frac{1}{2}$	—	$\frac{1}{2}$	$\frac{1}{2}$	1	
10	—	—	1	—	1	1	1	

* 2 for each bar, side shaped, near and off.

† Not for Saddlery, Household Cavalry—Saddles.

TABLE 5.—Materials for Repair of Packsaddlery

Description.	PEACE. 12 Months' Supply.			Remarks.
	Packsaddlery. Sets.			
	Arty.	G.S.	M.G. Cavy.	
	10	10	10	
Section D.1				
Attachments, releasable, small ...	—	—	1	
Basils, brown, unstrained ...	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	
Buckles, iron, roller, double—				
tinned { $1\frac{1}{2}$ -in. ...	—	1	1	
1-in. ...	—	1	1	
Buckles, iron, roller, single { 3 -in. ...	—	1	—	
$1\frac{1}{2}$ -in. ...	—	1	1	
1-in. ...	—	1	1	
$\frac{3}{4}$ -in. ...	—	1	1	
Buckles, triangular, black japanned	—	—	1	
Hides, brown { backs, collar lb.	6	6	6	
cloak ...	$1\frac{1}{2}$	$1\frac{1}{2}$	$1\frac{1}{2}$	
Links, cranked, sliding ...	—	—	2	
Rings, iron, tinned { $1\frac{1}{2}$ -in. ...	1	1	1	
$1\frac{1}{4}$ -in. ...	1	1	1	
Rivets, copper, tinned, $\frac{1}{2}$ -in., No. 6, S.W.G. ...	10	10	10	
Rivets, iron, 2-in., No. 4 S.W.G. ...	—	8	8	
Squares, iron, tinned ...	1	1	1	
Stops { rein ...	—	1	—	
steel ...	1	—	—	
Trees, P.G.S. { arches { front ...	—	1	—	
hind ...	—	1	—	
bars, side { near ...	—	1	1	
shaped { off ...	—	1	1	
Trees, P.M.G., Cavalry, Mk. II { arches { front...	—	—	1	
hind...	—	—	1	
Washers, copper, tinned, No 6, S.W.G. ...	10	10	10	
Section G.1				
Rivets, steel, bosshead, $\frac{1}{4}$ -in. $\times$ $1\frac{1}{2}$ -in. lbs.	*	—	—	* 3 lb. for each light battery.
Section H.1				
Beeswax ... oz.	2	2	2	
Wax, black ... "	2	2	2	
Section H.2				
Asbestos, cloth, $\frac{1}{8}$ -in. ... lb.	—	—	2	To be provided locally.
Cloth, collar, white ... yds.	$2\frac{1}{2}$	—	—	
Dowlas, tan, 27-in. ... "	—	$2\frac{1}{2}$	$2\frac{1}{2}$	
Duck, linen, 27-in. ... "	$2\frac{1}{2}$	$2\frac{1}{2}$	4	
Felt, brown, 60-in. ... "	$\frac{1}{8}$	—	$\frac{1}{8}$	

TABLE 5.—*continued*

Description.	PEACE. 12 Months' Supply.			Remarks.
	Packsaddlery. Sets.			
	Arty.	G.S.	M.G. Cavy.	
	10	10	10	
Flock lb.	3(a)	—	—	(a) Only to be indented for Pack Artillery when pannels are stuffed with flock.
Hair, curled balls	2(b)	2	2	
Thread { flax, undyed	2	2	2	
Thread { linen, hand, whited lb.	1	1	1	(b) Only to be indented for Pack Artillery when pannels are stuffed with horse-hair.
Twine, quilting	1	1	1	
Web, hemp { 2-in., thick (c) yds.	2 1/2	2 1/2	2 1/2	
Web, hemp { 1 1/2-in., thin, (d) "	2	2	2	(c) For backs of horse breeches. (d) For backs of curry combs. (e) For worsted web girths.
Web, worsted, tanned, 4-in. (e) "	3 1/2	3 1/2	3 1/2	
Not in Vocabulary				
Linen or cotton, old (for cleaning) lb.	2 1/2	2 1/2	2 1/2	

TABLE 6.—Materials for Repair and Preservation of Equitation Articles

Description.	Peace only.	12 months' supply.
<i>Section H.1</i>		
Soap, soft (a) lb.	3	For 50 horses or under.
<i>Section H.2</i>		
Cord, whip oz.	3	
<i>Not in Vocabulary</i>		
Linen or cotton, old ... lb.	1	

(a) See note (a) at end of Table 3.

N.B.—No other materials than those given in this table are considered necessary, the materials supplied for repairing the harness and saddlery generally being sufficient for casual repairs to the equitation articles.

To preserve the full strength and to prevent hardness of the leather parts of the articles, the instructions given in Appendix 23 should be carefully followed.

APPENDIX 21

*(Referred to in para. 297)*DETAILS OF SETS OF HARNESS, SADDLERY AND
PACKSADDLERY

TABLE 1.—Saddlery, Officers'

Description.	No. for each set.	Remarks.
<i>Section D.1</i>		
Bits, bridoon, S.O.	1	
„ portmouth, reversible	1	
Blankets, saddle	1	
Cases, horseshoe, { near, Mk. III	1	
S.O. { off, Mk. II	1	
Collars, head, S.O., Mk. II	1	
Cruppers, S.O.	—	5 per cent. may be issued.
Girths, S.O., Mk. III prs.	1	
Heads, bridle, S.O.	1	
Leathers, stirrup, S.O.	2	
Pannels, S.O., patt. 1915 prs.	1	Only with saddles, patt. 1915.
Reins, bit, S.O.	1	
Saddles, S.O. (Mk. V or patt. 1915)	1 (a)	Mk. V is complete with pannels.
Skins {	1 (b)	For Dragoon Guards, Dragoons, Lancers, 14th/20th Hussars, R.A., except Heavy and Light batteries, R.E., Rifles, and R.A.S.C. Only for full dress uniform, not service dress.
	1 (b)	For Hussars, except 14th/20th Hussars, when full dress uniform, not service dress, is worn.
Stirrups, steel	2	
Straps {	3	
	2	
	1	
	1	
	1	
Surcingles, S.O.	1	
Wallets, S.O., Mk. IV prs.	1	
<i>Section J</i>		
Ropes, head, cotton, Mk. I	1	Peace only; for camp and war the hemp pattern will be issued as part of camp equipment.

(a) Mk. V for Cavalry only at present

(b) Peace only.

TABLE 2.—Saddlery, Household Cavalry

Description.	No. for each set.	Remarks.
<i>Section D.1</i>		
Bits {bridoon, S.H.C. (a) ...	1	10 per cent. "high port" bits may be drawn if required.
portmouth, reversible ...	1	
portmouth, S.H.C. (a) ...	1	
Blankets, saddle ...	1	10 per cent. of saddles. War only.
Breastplates, S.H.C. (a) ...	1	
„ S.U. ...	—	
Buckets, lance ...	—	2 for each exercise lance.
Straps ...	—	1 for each lance bucket.
Buckets, rifle, Mk. II ...	—	1 for each N.C.O. and man armed with a rifle.
Cases, horseshoe, S.H.C. (a) ...	1	
Straps, shoecase (a) ...	1	
Cases, horseshoe, S.U. ...	1	
Straps, shoecase ...	1	
Chains, collar, S.H.C. (a) ...	1	
Cheekpieces (a) ...	2	
Collars {head, parade (a) ...	1	
head, S.U. ...	1	
Cruppers {S.H.C. (a) ...	1	
S.U. ...	—	5 per cent. of saddles. War only.
Frogs, sword, saddle (a) ...	1	
Straps, securing (a) ...	1	
Girths {Cord ...	—	10 per cent.
S.H.C. ...	1	
Headpieces (a) ...	1	
Heads, bridle, S.U. ...	1	
Leathers, stirrup, S.U. ...	2	
Martingales, breastplate, Mk. II ...	—	5 per cent. Peace only.
Ornaments, stirrup leather (a) ...	2	
Pannels, S.U., Mk. III ...	1	
Reins {bit, S.H.C. (a) ...	1	
bit, S.U. ...	2	
Saddles {S.H.C. (a) ...	1	
S.U. ...	1	War only.
Skins {lamb, white, S.H.C. (a) ...	1	Life Guards (except trumpeters and bandsmen).
sheep, black, S.H.C. (a) ...	1	Life Guards (trumpeters and bandsmen) and Royal Horse Guards.
Stirrups, steel ...	2	
Straps {baggage, Mk. III ...	3	
cloak and wallet, S.U. ...	2	
cloak centre, S.U. ...	1	
sword, picket peg ...	1	
Surcingle, S.U. ...	1	
Straps, extending ...	—	10 per cent. of surcingles. War only.
Wallets, S.U., Mk. III ...	1	

(a) Peace only.

TABLE 3.—Saddlery, Universal

Description.				No. for each set.	Remarks.
<i>Section D.1</i>					
Bits, portmouth, reversible ...				1	
Blankets, saddle ...				1	
Breastplates, S.U. ...				—	10 per cent. of saddles for cavalry. Other units when required.
Buckets	{	lance ...		—	Peace. 2 for each set of saddlery for Lancer regiments. Other cavalry units 2 for each exercise lance.
		straps ...		1 each bucket.	
		rifle, Mk. II ...		1	Cavalry, R.E., R.Sigs. and R.A.S.C., 1 for each N.C.O. and man (mounted) armed with a rifle. R.A., as ordered. Infantry, 1 for each transport serjeant.
		signalling flag ...		—	As ordered.
		tool ...		—	Cavalry, as ordered, field squadrons and field troops, R.E., 1 for each set of saddlery, except staff-serjeants and trumpeters.
Cases, horseshoe, S.U. ...				1	Except R.A., unless armed with the cavalry sword.
Straps, shoecase ...				1	
Collars, head, S.U. ...				1	
Cruppers, S.U. ...				—	5 per cent. of saddles.
Girths	{	cord ...		—	10 per cent. for cavalry.
		S.U. ...		1	
pieces, extending ...				—	5 per cent. of girths.
Heads, bridle, S.U. ...				1	
Leathers, stirrup, S.U. ...				2	
Martingales, breastplate, Mk. II ...				—	5 per cent. for cavalry.
Pannels, S.U., Mk. III ...				1	Peace only.
Reins, bit, S.U. ...				2	
Saddles, S.U. ...				1	
Stirrups, steel ...				2	
Straps	{	baggage, Mk. III ...		3	Lancer regiments, 2 only.
		baggage and lance ...		1	Lancer regiments only.
		cloak and wallet, S.U. ...		2 (a)	
		cloak centre, S.U. ...		1 (a)	
		sword, picket peg ...		—	1 for each man armed with a cavalry sword, except R.A., R.E. and R.Sigs.
Surcingles, S.U. ...				1	
" straps, extending ...				—	10 per cent. of surcingles.
Wallets, S.U., Mk. III ...				1 (a)	
<i>Section J</i>					
Ropes, head, hemp, Mk. IV ...				1	Peace only. Issued as part of camp equipment for war.

TABLE 4.—Harness, Pole Draught

Description.	No. for each set.		Remarks.
	Near.	Off.	
<i>Section D.1</i>			
Bits, portmouth, reversible ...	1	1	Except when bits, snaffle, van, are allowed.
„ snaffle, van ...	1	1	Heavy draught only.
Blankets, saddle ...	1	1	
Breechings—			
H.P.D. ...	1	1	Wheel only, except heavy draught.
„ large ...	1	1	Wheel only, heavy draught.
„ small ...	1	1	Light artillery.
Straps, extending (a) ...	—	—	2 for each breeching for 20 per cent. light and 10 per cent. heavy draught.
Collars—			
breast, H.P.D., Mk. III ...	1	1	
„ H.P.D., small ...	1	1	Light artillery.
head, S.U. ...	1	1	
Girths, S.U. ...	1	—	
Pieces, extending ...	—	—	Heavy draught 50 per cent., and light draught 10 per cent. of girths.
Heads, bridle, S.U. ...	1	1	
Leathers, stirrup, S.U. ...	2	—	
Leggings, drivers', Mk. II ...	1	—	
Neckpieces, pole-bar ...	1	1	Wheel only.
Pads, collar, Mk. II ...	1	1	
„ luggage, Mk. II ...	—	1	R.H.A. only.
Pannels—			
Pad, luggage, Mk. II prs. ...	—	1	R.H.A. only.
S.U., Mk. III ...	1	—	
Reins, bearing ...	1	1	Or reins, bit, S.U.
„ driving, long sets ...	—	—	1 for each G.S., G.S.R.E. and ambulance wagon, peace and war.
Rings, rein, driving ...	2	2	Wheel only when long driving reins are used.
Saddles, S.U., pattern '02. ...	1	—	
Stirrups, steel ...	2	—	
Straps—			
Baggage, Mk. III ...	3	—	
Collar pad ...	2	2	
Hip, long, wheel ...	1	1	Wheel only.
„ short, wheel ...	1	1	Light artillery.
Loin, lead ...	1	1	Lead and centre only.
Neck ...	1	1	

(a) Also suitable for extending “neckpiece, pole-bar” if required.

TABLE 4.—*continued*

Description.	No. for each set.		Remarks.
	Near.	Off.	
<i>Section D.1—continued</i>			
Surcingles, S.U.	1	1	Heavy draught 50 per cent., and light draught 10 per cent. of surcingles.
Straps, extending (a)	—	—	
Traces—			
Wire, adjustable ... pr.	1	1	Wheel only.
„ long	1	1	Lead and centre only.
„ short	1	1	Lead and centre only.
Tugs, neckpiece, Mk. II (b) ...	1	1	Wheel only.
Whips—			
Drivers'	1	—	1 for each set of driving reins.
Driving, Mk. III	—	—	
<i>Section J</i>			
Ropes, head, hemp, Mk. IV ...	1	1	Peace only. Issued as part of camp equipment for war.

(a) Also suitable for extending “neck straps” if required.

(b) Tugs, neckpiece, will not form part of sets of harness for vehicles fitted with bars, supporting draught pole.

TABLE 5.—*Harness, Shaft Draught*

Description.	No. for each set.		Remarks.
	Near.	Off.	
<i>Section D.1</i>			
Bands, back	—	1	Except heavy draught. Heavy draught only.
Bits { portmouth, reversible	1	1	
{ snaffle, van	1	1	
Blankets, saddle	1	—	
Breechings { H.P.D.	1	1	Except heavy draught.
{ H.P.D., small	1	1	Light artillery.
{ H.P.D., large	1	1	Heavy draught only
Straps, extending (a)	—	—	2 for each breeching for 20 per cent. light and 10 per cent. heavy draught.
Collars { breast, H.P.D., Mk. III	1	1	Light artillery.
	1	1	
	1	1	
{ breast, H.P.D., small			
{ head, S.U.	1	1	

(a) Also suitable for extending “neckpieces, pole bar” if required.

TABLE 5.—*continued*

Description.			No. for each set.		Remarks.
			Near.	Off.	
Girths { H.S.D.	—	1	Heavy draught 50 per cent., and light draught 10 per cent. of girths.		
{ S.U.	1	—			
Pieces, extending	—	—			
Heads, bridle, S.U.	1	1	Or reins, bit, S.U.		
Leathers, stirrup, S.U.	2	—			
Leggings, drivers', Mk. II	1	—			
Numnahs, H.S.D.	—	1			
Pads, collar, Mk. II	1	1			
Pannels { H.S.D. ... pr.	—	1			
{ S.U., Mk. III	1	—			
Reins { bearing	1	1			
{ driving, long (b) set	—	1			
{ side (c)	—	1			
Rings, rein, driving (b)	2	2	Light artillery.		
Saddles { luggage, H.S.D.	—	1			
{ S.U. patt. '02.	1	—			
Stirrups, steel	2	—			
Straps {	baggage, Mk. III	3		3	
	collar pad	2		2	
	girth, H.S.D., Mk. II	—		4	
	hip, long, wheel	1		1	
„ short, wheel	1	1			
neck	1	1			
Suroingles, S.U.	1	1	Heavy draught 50 per cent., and light draught 10 per cent of girths.		
Straps, extending (a)	—	—			
Traces, wire, adjustable pr.	1	1	Peace only. Issued as part of camp equipment for war.		
Tugs, backband	—	2			
Whips {	drivers'	1		—	
	driving, Mk. III (b)	—		1	
Section J					
Ropes, head, hemp, Mk. IV	1	1			

(a) Also suitable for extending "neck straps" if required.

(b) Peace and war. Not allowed when the vehicle is drawn by 2 animals working side by side.

(c) Only allowed when the vehicle is drawn by 2 animals working side by side.

TABLE 6.—Packsaddlery, General Service

Description.	No. for each set.	Remarks.
<i>Section D.1</i>		
Bags, intrenching tool ...	1	When authorized.
Bars, hanging, Mk. II ...	2	When authorized.
Bits, bridoon, P.G.S. ...	1	
Breechings, P.G.S., Mk. V ...	1	
Cases, horseshoe, P.G.S. ...	1	
Chains, collar, P.G.S. ...	1	
Collars { breast, P.G.S., Mk. V ...	1	
{ head, P.G.S., Mk. IV ...	1	
Covers, 6-ft. × 6 ft., Mk. III ...	1	
Cruppers, P.G.S., Mk. V ...	1	
{ leather ...	1	For each pair of hanging bars.
Girths { steadying ...	1	For bags, intrenching tools, when authorized.
{ P.G.S., Mk. V ...	2	
Pannels, P.G.S., Mk. V pr. ...	1	
Reins, P.G.S., bridoon (a) ...	1	
Ropes, baggage ... pr. ...	2	
Straps, girth, P.G.S., Mk. II ...	4	
Surcingles, P.G.S., Mk. III ...	1	
Trees, P.G.S. ...	1	

(a) Reins, bit, S.U., will be issued to cavalry, and reins, leading, to light artillery.

TABLE 7.—Packsaddlery, Machine Gun, .303-in.,
Vickers, Cavalry

Description.	Gun set.	1st Ammu- nition Set.	2nd Ammu- nition Set.
<i>Section D.1</i>			
Bits, bridoon, P.G.S.	1	1	1
Breechings, P.G.S., Mk. V	1	1	1
Caps, shovel, Mk. II*	—	—	2 (a)
Carriers, water-can and condenser	—	1	—
Cases, horseshoe, P.M.G., modified	1	1	1
Collars { breast, P.G.S., Mk. V	1	1	1
{ head, P.G.S., Mk. IV	1	1	1
Cruppers, P.G.S., Mk. V (b)	1	1	1
Girths { leather	—	1	1
{ P.G.S., Mk. V	2	2	2
Hangers { gun, sling, cavalry	1	—	—
{ tripod, sling, cavalry	1	—	—
Pannels { P.G.S., Mk. V pair	—	1	1
{ Vickers gun, cavalry (d)	1	—	—
Racks, boxes, belt, ammunition, cavalry	—	2	2
Reins, bit, S.U.	1	1	1
Slings, ammunition belt boxes, cavalry	1	—	—
Straps { detachable, shovel	—	1 (c)	2 (a)
{ girth, P.G.S., Mk. II	4	4	4
{ pick and helve	—	—	2 (a)
{ suspending shoe-case	1	1	1
Supports, Vickers gun, cavalry (d)	1	—	—
Trees, P.M.G., Cavalry, Mk. II	1	1	1
Rests, Mk. II	1	—	—
<i>Section J</i>			
Ropes, head, hemp, Mk. IV	1	1	1

(a) May be issued to cavalry regiments for use with 1st ammunition sets for training during peace.

(b) Large size for horses and medium size for mules.

(c) For attaching condenser tube to petrol can.

(d) Manufacture and modification carried out regimentally in accordance with L. of C. A/3187.

TABLE 8.—Packsaddlery, Machine Gun, Lewis

Description:	Number for each.	
	Gun Set.	Ammunition Set.
<i>Section D.1</i>		
Bits, bridoon, P.G.S.	1	1
Breechings, P.G.S., Mk. V	1	1
Caps, shovel, Mk. II*	—	1
Cases { accessories, Lewis	1	—
horseshoe, P.G.S.	1	1
Chains, collar, P.G.S.	1	1
Collars { breast, P.G.S., Mk. V	1	1
head, P.G.S., Mk. IV	1	1
Covers, gun, Lewis	1 (a)	—
Cruppers, P.G.S., Mk. V	1	1
Girths, P.G.S., Mk. V	2	2
Pannels, P.G.S., Mk. V pair	1	1
Racks, box, carrier, magazine, Lewis—		
Near	1 (a)	1
Off	1 (a)	1
Reins, bridoon, P.G.S.	1	1
Straps, carrying, gun, Lewis—		
Fore	1 (a)	—
Hind	1 (a)	—
Straps { girth, P.G.S., Mk. II	4	4
pick and helve	—	2
Surcingles, Lewis	1 (a)	1
Trees, P.G.S.	1	1
<i>Section D.1</i>		
Bands, belly, P.M.G.	1	—
„ belly, P.M.G., straps, long	1	—
„ belly, P.M.G., straps, short	1	—
„ belly, P.M.G., straps, supporting	2	—
Hangers, gun, sling	1	—
<i>N.I.V.</i>		
Carriers, ammunition, Lewis, machine gun	2	—
Straps, suspending ammunition carrier—		
Lewis machine gun—		
Front	1	—
Rear	1	—
Valises, Lewis machine gun	1	—

(a) Until stocks are exhausted the following will be issued with each Gun set in lieu—

TABLE 9.—**Equitation Articles**
(*Referred to in para. 306*)

Description.	No. for each set.	Remarks.
<i>Section D.1</i>		
Bridles, mouthing { bits ...	1	
{ heads, bridle	1	
{ reins ...	1	
,, snaffle	4	
Caps, knee, horse pair	1	
Cavisons	1	
Girths, breaking	1	
Pads, driving, breaking	1	
Reins { cord, driving, breaking ...	1	
{ running, riding ...	1	
{ web, driving, breaking ...	2	
Straps, throwing, long	1	
,, throwing, short	1	
Whips, hand	2	
,, longeing	1	

APPENDIX 22

*(Referred to in para. 232)*INSTRUCTIONS RELATING TO HARNESS AND SADDLERY
STORED WITH MOBILIZATION EQUIPMENTS

1. The following articles will be stored in accordance with the scale detailed below :—

Description.	Percentages of sizes for—				
	Saddlery, universal.			Harness.	
	Cavalry.	Royal Horse Artillery.	Other units.	Royal Artillery.	Other units.
<i>Section D.1</i>					
Bits, portmouth, reversible—					
Large	30	50	50	80	100
Medium	60	50	50	20	—
Small	10	—	—	—	—
Collars, head, S.U.—					
Special large	—	—	—	—	—
Extra large	—	—	—	—	—
Large	70	90	90	90	90
Small	30	10	10	10	10
Girths, leather, S.U.—					
Large	—	30	30	40	70
Medium	100	70	70	60	30
Heads, bridle, S.U.—					
Extra large	—	—	—	—	—
Large	70	90	90	90	90
Small	30	10	10	10	10
Leathers, stirrup, S.U.—					
Long	60	60	60	10	10
Short	40	40	40	90	90
Pads, collar—					
Large	—	—	—	—	—
Small	—	—	—	100	100
Saddles, universal, steel arch—					
Large	10	30	40	100	100
Medium	90	70	60	—	—
Surcingles, S.U.—					
Large	100	100	100	100	100

Stirrups

2. Stirrups will be all large size.

Snaffle Van Bits

3. The snaffle van bit is a strong double ring pattern bit with twisted mouthpiece, for use with horses until they become accustomed to the service bit.

Straps, Extending Breeching

4. These straps are $1\frac{1}{2}$ in. in width and 13 in. in length, and are fitted with a $1\frac{1}{4}$ -in. buckle to take the breeching strap. Breechings generally require extension when used with heavy van horses, and in such cases two extending straps will be used—one on each side to allow the seat of the breeching and the hip straps to work evenly. These straps are also suitable for extending the “neckpiece, pole bar.”

Girths, Pieces, Extending

5. The extending piece is 12 in. in length, fitted with two 1-in. buckles, and split into two 1-in. straps to buckle into the girth. It can be used with universal saddlery girths or with luggage girths.

Surcingles, Leather—Straps, Extending

6. The strap for extending the surcingle is 13 in. in length, fitted at one end with a buckle and suitably punched at the other end. These straps can also be used for extending “straps, neck,” or “straps, hip, long, wheel.”

APPENDIX 23

(Referred to in paras. 231, 235 and 493)

INSTRUCTIONS FOR THE CARE AND PRESERVATION OF HARNESS, SADDLERY, AND PACKSADDLERY

General

1. Leather used in the manufacture of harness and saddlery is of two general descriptions:—

Crop leather.—No grease is used in the making, and it is intended for use where a considerable amount of

stiffness is necessary, as in a rifle bucket or the seats and flaps of saddles.

Curried leather.—Produced by introducing grease composed of cod oil and tallow into the fibres of the leather after tanning so as to make it pliable. The various descriptions of this leather are known as “heavy,” “collar,” “bridle,” “light hide,” “shoulders” and “cloak hide.” By far the greater quantity of leather used in the manufacture of harness and saddlery is curried.

2. Black saddlery leather only differs from brown in that the upper surface is dyed black.

3. In both crop and curried leather the smooth upper surface from which the hair has been removed is known as the “grain,” the under surface as the “flesh.”

Harness, Saddlery or Packsaddlery in Storehouses

4. It is most important that storehouses should be kept dry and well ventilated.

Leather becomes mouldy (mildewed) if stacked in a damp state, or if stored in damp or unventilated premises, and if not attended to the “grain” is affected. Mould can be removed by wiping or brushing off, and the ill-effects, if taken in time, can be remedied by re-treatment with dubbing or tallow.

The temperature of a storehouse will be kept at about 60 degrees Fahr.

5. Leather stored in a draught or exposed to excessive light deteriorates.

The frames in which harness, saddlery or packsaddlery is stored will be provided with canvas as curtains and top cover as authorized in Barrack Schedules. This will shield the leather from sun and excessive light, and also prevent the accumulation of dust.

6. **Method of storage.**—Particular attention will be given to the storage of each class of article to prevent them from becoming unshapely or unsuitably bent.

Breechings.—If not kept flat, will be folded in bundles of three, one seat inside the other, care being taken that the seat of any breeching is not sharply bent.

Breast collars.—Will be kept on the curve similarly to when in use, and in bundles of three, paper being placed between the breast collars to prevent the steel-

work blackening the leather. They will be hung over poles or narrow wood bars.

Head collars.—Will be tied by the tops of the heads only, in bundles of six, and suitably hung in the frame.

Neck collars.—Will be hung on the short bars across the frame.

Officers' saddles.—Mk. IV or V will be covered and encased with thin paper, secured with string, each saddle being separate and not packed one on the other. Saddles without pannels will be stacked in bays, end upwards, on the front arch, resting on paper, and then covered with paper and canvas.

Universal saddles, luggage saddles, etc.—Will be placed with the rear points of the sidebars uppermost. They will not be laid flat on the shelves, nor will the flaps be spread or sharply bent in.

Officers' wallets.—Will be packed in two or three pairs, the package being covered with paper.

Cavalry rifle buckets.—Will be hung up on poles or lines by their straps, and not stacked on each other, which has the effect of flattening them out of shape.

When packed as a temporary measure in vats or cases, the shape of each bucket must be preserved by filling it out with paper, straw or hay, and allowing sufficient space to prevent compression.

Wire traces.—Will be kept straight.

Strapping generally.—Will be kept flat on shelves, and not rolled or buckled. The heads and reins of officers' saddlery will be stacked and covered with paper.

Bits.—Will be kept separate from leather work. The bridoon bits of officers' saddlery will be laid out clear of the reins and covered with paper.

Metalwork generally.—Will be kept from resting against leather, paper being introduced between the two materials when necessary.

Leather hides or pieces of hides.—Will be kept flat on shelves, but crop hides may be rolled in parcels of five. Pipe strips for recovering wire traces will also be kept flat.

Articles liable to destruction by moth.—Articles such as saddle blankets, numnahs, numnah pannels, worsted girths, brushes, harness, brushes, horse, etc.,

will be kept in the original packages, provided that these are undamaged and moth-proof.

Loose articles of this nature will be packed in cases lined with brown paper. The paper must be devoid of holes and tears, and folded over where the ends join in such a manner as to prevent any opening through which moths may penetrate. The lids of cases will be kept tightly secured with screws.

A sprinkling of naphthalene will be placed inside the packages, but it is not necessary to smother articles in naphthalene.

The packages will be kept in the light.

Preservative Treatment of Harness, Saddlery or Packsaddlery in Storehouses

7. Different methods of treatment must be employed for crop and curried leather. In the former it is important to preserve the stiffness, and the only treatment consists in applying tallow to the "grain" side to prevent cracking. In the latter it is important to preserve pliability and this is done by applying dubbing, or tallow in the case of certain articles specified in this paragraph.

No definite rule can be laid down as to how often leather should be treated with dubbing or tallow. This must be determined by its appearance and "feel," but, generally speaking, it should be dubbed or tallowed at least once in five years or oftener if the conditions of storage are not good.

The grain of any description of leather will give indications of whether re-treatment is requisite by an obviously dry appearance. In articles or parts where pliability is essential, a further test is possible by passing between the forefinger and thumb and slightly bending the leather whilst so doing, when want of grease will be evident to the touch. The leather must not be sharply bent, as this is an unfair test, likely to cause damage. It must, however, be borne in mind that articles which are in intimate touch with the animal, such as the inside of a breast collar or girth, require treating more often than, say, the releasable strap of a wire trace, where a certain amount of stiffness is requisite for efficient use. Also articles made from leather known as "cloak hide," such as packsaddlery breechings and breast collars, Hotchkiss ammunition cases, saddlery wallet covers and gussets, may require more frequent treatment than other articles, as the leather is only lightly dressed with grease and a drier appearance is consequently presented than in other articles.

Grease, such as dubbing or tallow, is only a preservative when it enters the fibres of the leather. The best way to ensure this is to apply it when the leather is in a damp condition, for as the moisture dries the grease enters. But it must be remembered that only a certain amount can be absorbed, and therefore to use it in excessive quantities is both useless and wasteful, and only produces a surface on which dirt readily adheres.

The following articles will be treated with tallow :—

ARTICLES

All articles of officers' saddlery, but seats and flaps of saddles on the smooth surface only.

Cavalry rifle buckets (on the smooth surface only).

Strapping or leather fittings of numnahs or numnah pannels.

Saddles, S.A. seats and flaps (on smooth surface only).

V-girth attachments and straps.

Packsaddlery pannels, backs of.

Leather parts of web girths.

Packsaddlery breast collars and breechings.

Caps, shovel.

Cases, spare barrel.

Neck collars—all parts except lining.

Pads, luggage, R.H.A.

Saddles, luggage—Seats and flaps on smooth surface only.

Dubbing will be used on all articles other than these.

Method of treatment.—All dirt or dust will first be removed. The leather work will, wherever possible, be made slightly damp on both surfaces by sponging with cold water. Both surfaces will then be treated with the tallow or dubbing, as the case may be, which in the winter may be slightly warmed if necessary.

Articles of crop leather (as they require treatment with tallow on the grain side only) will only be damped on that side.

8. Metal parts.—Rust must be carefully guarded against by lacquering the iron or steel parts with varnish. If rust has formed it must be removed before relacquering.

9. Annual cleaning.—The harness, saddlery and pack-saddlery will be removed from the frames annually and cleaned.

Leather parts will be cleaned with a cloth and brush to

remove dust and dirt, and stain or dirty marks caused by handling removed with a little yellow soap and damp cloth or sponge.

Articles of Harness, Saddlery or Packsaddlery in use

10. Handling and repairs.—Reasonable care must be exercised in the handling of articles of harness and saddlery.

Fractured arches or broken sidebars result when saddles are carelessly dropped or thrown about ; a rifle bucket may damage the rifle itself if the body is bent out of shape ; the usefulness of a collar pad is destroyed when its shape is altered by rough usage ; the "throat" of a neck collar is weakened or even broken by unduly stretching the top—these are a few of the more common results of misuse.

Minor defects should be attended to at once—a serious repair is often thus avoided. Stitching should be tested from time to time, as the life of thread is shorter than that of leather. Making holes in strapping by any means other than that of the saddler's punch should be discouraged.

Girth straps require special attention, as the scoring of the leather between holes incidental to "girthing up" results sooner or later in the strap becoming unserviceable owing to a break in the material.

11. The scrubbing of leather is undesirable as it rots the stitches. It should not be resorted to unless the dirt or grease is too thick to be removed by washing in lukewarm water and soap with a sponge. Soda in the water, or hot water, destroys the leather, and must not be used.

12. The drying of leather by the fire, or keeping it near fires or heating apparatus, destroys its durable properties.

13. Care and preservation.—Particular attention is drawn to para. 7 of this Appendix regarding leather and its preservation, which is also applicable to articles in use, except that dubbing will be used instead of tallow.

It is desirable that harness, saddlery and packsaddlery in use by troops should, when the necessary facilities are possible, be laid by in dubbing for two or three days once in every six months, as in this way the life of the article is prolonged by the leather being fed. The whole of the strapping should be taken to pieces, and the leather damped and treated with dubbing as laid down for new articles in store.

Soft soap is not a preservative in the same sense as dubbing or tallow. It should only be employed on articles in actual use to produce mellowness in the leather. If applied too freely it gives a dark appearance which is unsightly.

Saddle soaps commonly used to produce the same effect are not objectionable provided they are of good quality.

Soft soap should be used daily where articles are in constant use to produce mellowness in the leather with subsequent pliability of strapping and preservation of the "grain." But, similarly to dubbing, it is only waste to use it thickly, and the best way is to apply it in a lather with a sponge.

Leather which has become wet in use should be treated with a light application of dubbing to prevent a hard and stiff condition arising when dry.

Parts of harness or saddlery affected by sweat from the animal, *i.e.* the inside surfaces of breast collars, leather girths, etc., should be sponged after use with clean cold water, and then soft soaped to keep them pliable and soft.

When harness and saddlery is not kept in saddle or harness rooms but is hung in the stables, the leather suffers somewhat from the action of ammonia, but the six-monthly treatment with dubbing usually prevents any ill-effects that might arise.

14. Care of felt, web, rope and textile parts.—Saddle blankets, pannel numnahs, the lining of neck straps, etc., should after use be placed in the sun or wind to dry, and then beaten and brushed. Scraping the grease from felt must be prevented—it should not be allowed to become necessary.

Web girths may be scrubbed with clean cold water, and drivers' whips may be similarly treated, but scrubbing of rope work must be avoided unless absolutely necessary, as it tends to rot the rope.

15. Care of metal work.—Bits, stirrups, etc., should be wiped dry after use and then rubbed over with an oiled rag. Much trouble will be saved if this is done before the rust has time to form. Before using the bit again, wipe the oil from the mouthpiece.

Grease must also be removed from the under surface of collar pads—this if done daily removes one of the causes of sore withers.

APPENDIX 24

(Referred to in paras. 258 and 301)

CAMP EQUIPMENT

TABLE 1.—Standing Camps. Proportions for all Services

Description.	Proportion.
<i>Section A.1</i>	
Bags, letter	1 for each office; headquarters units only.
<i>Section D.1</i>	
Chains, collar, P.G.S.	1 for each mule if not already in possession as part of packsaddlery.
Muzzles, horse	1 for each animal, Egypt only.
<i>Section E.1</i>	
Carts, water	As required, unless water is laid on to the cooking places on the camp ground, when 1 for each regiment of cavalry, 2 for each battalion of infantry, and 1 for each other unit will be supplied.
<i>Section F</i>	
Anvils, 1½-cwt.	1 for each forge, field, heavy.
,, blocks, 1½-cwt.	1 for each forge, field, heavy.
Crowbars	4 for each regiment of cavalry and battalion of infantry, 1 for each other unit.
Forges, field, heavy (b)	2 for each regiment of cavalry and 1 for each other mounted unit unprovided with forge in peace equipment.
Hammers, sledge, Straight pane 14-lb. (a)	6 for each regiment of cavalry or battalion of infantry, 2 for each headquarters and 4 for each other unit.
<i>Section J</i>	
Axes, felling	{ 10 for each regiment of cavalry and battalion of infantry, 4 for each other unit.
,, hand	
Axes, pick, { heads 4½-lb. { helves	{ 10 for each regiment of cavalry and battalion of infantry, 4 for each other unit.
Barrows, wheel, entrenching, Mk. III, with wheels (c)	{ 16 for each regiment of cavalry, 3 for each other mounted unit.
Boxes, stationery, field	1 for each office; headquarters units only.
Buckets, water, canvas, Mk. V	1 for 2 animals.

(a) Supplied only when wood that requires splitting is issued.

(b) When stocks of Forges, field, G.S., are exhausted.

(c) Barrows, stable (Section K) may be issued in lieu, if available.

TABLE 1.—*continued*

Description.	Proportion.
<i>Section J—continued</i>	
Chairs, camp	1 for each general officer.
Colours, camp	8 for each field veterinary section.
Covers, saddle	1 for each set of saddlery or single set of harness, 2 for each double set of harness.
Covers, waterproof, black, G.S., 30-ft. × 30-ft.	2 for each regiment of cavalry, and 1 for each other mounted unit (for forage).
Flags, distinguishing	As required.
Forms, dining tent	1 for 4 members of serjeants' messes, 30 for each store tent, and 10 for each marquee allowed for dining purposes.
Kettles, camp, Mk. III	1 for 8 warrant officers, N.C.Os. and men.
Latrines, screen, Mk. III (a)	1 for officers of each unit, 1 for warrant officers and N.C.Os. of each unit, 2 for each company of infantry, and 1 for each company or squadron of other arms.
Mallets, heel peg, Mk. III (b)	1 for 3 officers' horses, 1 for 8 other animals.
Mauls, heads, Mk. V	1 for 50 animals.
„ helves, Mk. II	1 for 50 animals.
Nets, hay	1 for each animal, if specially required.
Ovens, Aldershot, Mk. II	2 for each regiment of cavalry, or battalion of infantry, and 1 for each other unit. (To be issued only where the same troops are under canvas for a consecutive period of more than 28 days).
Plates, bottom	1 for each oven when specially required.
Pegs, picketing, Mk. II (c)	1 for each heel rope, 1 for each 4-ft. 9-in. picketing rope, and 25 per cent. spare.
Posts, picketing, 2½-ft., Mk. V	1 for every 10 animals. (To increase stability of built-up rope).
Racks, arm	1 for each warrant officers', N.C.Os' and men's tent.
Ropes {	head, hemp, Mk. IV (d) 1 for each animal and 10 per cent. spare.
	heel, small, Mk. IV 1 for each animal and 20 per cent. spare.
	picketing, 4-ft. 9-in. 1 for each animal and 10 per cent. spare.
	Not for R.H. and F.A. batteries, medium batteries, R.A., R.E. units which have horsed transport, and R. Signals units, whose requirements will be met from peace equipments.

(a) An additional one may be issued for bathing places if considered desirable.

(b) Axes, hand, 1 for 8 mules.

(c) Pins, picketing, for mules, at 1 for each animal.

(d) For mules, chains, collar will be allowed, see Section D.1 above.

TABLE 1.—*continued*

Description.	Proportion.
<i>Section J—continued</i>	
Rugs, horse	1 for each public animal (a).
Sheets, ground (b)	1 for each warrant officer, N.C.O. and man.
Shovels, G.S. (c)	16 for each regiment of cavalry, 10 for each battalion of infantry, 5 for each other mounted unit, 3 for each other dismounted unit.
Spades, Mk. III	10 for each regiment of cavalry or battalion of infantry, 5 for each other mounted unit and 3 for each other dismounted unit.
Stools, camp, Mk. IV	1 for each office tent (headquarters units only).
Stoves, Soyer's	4 for each regiment of cavalry or battalion of infantry and 1 for each other unit. <i>To be issued only when coal is the fuel used.</i>
Tables, camp, Mk. III	1 for each general officer.
,, portable, F.S. (d)	1 for every 8 members of sergeants' messes, 15 for each store tent, and 5 for each marquee allowed for dining purposes.
Tents, complete—	
C.D.	1 for each general officer.
C.S. (e)	1 for each field officer, 1 for every 2 other officers, 1 for every 10 warrant officers, N.C.Os. and men of dismounted units, 1 for every 8 warrant officers, N.C.Os. and men of mounted units, and 1 for every 2 squadrons for squadron serjeant-major and squadron quarter-master-serjeant. 30 miscellaneous for each regiment of cavalry; 12 miscellaneous for each other mounted unit, 16 miscellaneous for each battalion of infantry, and 5 for each other dismounted unit. For headquarters units, 1 for each officer, 1 for every two servants, 1 for each office and 3 miscellaneous.
Marquee, G.S., single	<i>For recreation rooms, etc.</i> One for each regiment of cavalry, brigade of artillery, or battalion of infantry, 1 for each sergeants' mess with a brigade of artillery, 1 for each headquarters unit, 3 for every 2 other units if number of members of officers' mess does not exceed 12.

(a) Rugs allowed under para 301, if in possession, will be taken.

(b) When tent bottoms are not supplied.

(c) Royal Engineers will receive spades, Mk. III, in lieu.

(d) Or tables, trestle, 6-ft.

(e) See para. 258 regarding issues of C.D. in lieu at stations abroad.

TABLE 1.—*continued*

Description.	Proportion.
<i>Section J—continued</i>	
Tents, complete—continued	
Marquee, G.S. single ...	<i>For technical stores.</i>
	1 for each regiment of cavalry, battery of artillery, or battalion of infantry, 1 for each cavalry divisional, divisional or corps signals, field company, R.E., field squadron, R.E., or anti-aircraft searchlight battalion, R.E.
	<i>For dining purposes.</i>
	1 for every 40 men of units whose actual strength of corporals and privates at camp is under 240.
Store	1 for each serjeants' mess with a regiment of cavalry, or battalion of infantry. For units whose actual strength of corporals and privates at camp is 240 or over, 1 for every 120 men (for dining purposes).
Tubs, washing, 3½-gall., Mk. II	1 for each staff serjeant's tent and 2 for each tent for other N.C.Os. and men.
Wedges, sawyers' (a)	6 for each regiment of cavalry or battalion of infantry, 2 for each headquarters and 4 for each other unit.
<i>Section K</i>	
Blankets, brown, single	2 for each warrant officer, N.C.O. and man.
Blocks, chopping, small	1 for each unit.
Chairs, Windsor	7 for each regiment of cavalry or battalion of infantry, 3 for each other unit (except headquarters units).
Sales, meat, large	1 for each headquarters wing and squadron of cavalry; company, anti-aircraft searchlight battalion, R.E.; company "A" corps signals; signal troop, cavalry divisional signals; company divisional signals; headquarters wing and company of infantry; company R.T.C., 1 for each unit other than those referred to above.
Stretchers, ambulance, Mk. II	1 for each unit (except headquarters).
Tables, barrack { 4 ft.	1 for each headquarters office.
	<i>For offices.</i>
	2 for each brigade headquarters, R.A.
	2 for each infantry brigade headquarters.
	<i>For orderly room and quarter-masters' stores.</i>
	3 for each unit (except headquarters units).

(a) Supplied only when wood that requires splitting is used

TABLE 1.—*continued*

Description.	Proportion.
<i>Section K—continued</i> Tables, barrack—continued	<i>For serjeants' messes.</i> 1 for each store tent and marquee allowed for serjeants' messes. <i>For dining purposes.</i> 2 for each store tent and 1 for each marquee allowed for dining purposes. <i>For tents used for wireless and telephones.</i> As necessary (R. Signals units only).
<i>Section L</i>	
Basins, soup, steel, tinned ...	1 for each warrant officer, N.C.O. and man.
Brooms, birch (a) ...	16 for each regiment of cavalry, 10 for each battalion of infantry, 6 for each other unit.
Brushes, scrub, hand, Union ...	2 for each store tent and 1 for each marquee allowed for serjeants' messes, 4 for each store tent and 2 for each marquee allowed for dining purposes.
Cans, 3-gall. ...	12 for each regiment of cavalry or battalion of infantry, 3 for each other unit.
Dishes, meat, tin, 17½-in. ...	12 for each regiment of cavalry or battalion of infantry, 3 for each other unit.
Forks, carving ...	1 for every 25 men.
Implements, butchers'—	
Cases, wood, filled (b) ...	1 for each unit.
Knives, carving ...	1 for every 25 men.
Lamps, hurricane ...	<i>For general purposes.</i>
	20 for each regiment of cavalry, 4 for each battalion of infantry, 2 for each headquarters, 2 for each other mounted unit, and 1 for each other dismounted unit. 1 for each tent may be issued, under authority of the G.O.C., in countries where there is no twilight.
	<i>For latrines.</i>
	As required.
	Not to exceed :—
	12 for each battalion of infantry, 6 for each regiment of cavalry, 2 for each other unit, for lighting urine receptacles and latrines at night in camps of not less than 14 days' duration.
Pails, I.G., 3-gall. ...	1 for each tent (except office tents), 2 for each store tent, and 1 for each marquee allowed for serjeants' messes, 4 for each store tent, and 2 for each marquee allowed for dining purposes.

(a) To be provided locally.

(b) For detail of contents, see p. 271.

TABLE 1.—*continued*

Description.	Proportion.
<i>Section L—continued</i>	
Plates , dinner, steel, tinned ...	1 for each warrant officer, N.C.O. and man.
Scales , weighing, iron beams, with triangles, and sets of weights, 2½ cwt. ...	1 for each camp.
Stones , rub, scythe (or rag) (a) ...	6 for each regiment of cavalry or battalion of infantry, 2 for each other unit.
Stoves , oil, Primus ...	As necessary for sterilization of drinking vessels.
Tubs , washing, 8-gall. ...	2 for each store tent, and 1 for each marquee allowed for serjeants' messes, 4 for each store tent, and 2 for each marquee allowed for dining purposes.

CONTENTS OF IMPLEMENTS, BUTCHERS'—CASES, WOOD, FILLED.

Section F

Saws, tenon, 14-in. ... 1

Section L

Balances, spring, 4-lb. ... 1

Choppers, meat, butchers' ... 1

Hooks, butchers', 9-in. ... 6

Implements, butchers'—

Cases, wood, empty ... 1

Sheets, ground, unserviceable ... 1

Knives, butchers', cutting ... 1

„ „ flaying ... 1

Steels ... 1

Steelyards, 56-lb. ... 1

Scale for Officers' Mess (if number of members exceeds 12). Standing Camps only

Description.	Proportion.
<i>Section J</i>	
Stoves , Soyer's ...	2
Tents , complete {	2 } for each mess.
C.S. ...	2
marquee, G.S., single store ...	2
<i>Section K</i>	
Chairs , Windsor ...	1 for each officer and 6 for each mess.
Tables , barrack {	1 for every 4 officers and 2 spare for each mess.
6 ft. ...	4 for each mess.
4 ft. ...	
<i>Section L</i>	
Cans , 3-gall. ...	3 for each mess.
Dishes , meat, tin, 17½-in. ...	6 for each mess.
Lamps , hurricane ...	1 for every 6 officers and 4 for each mess.
Tubs , washing, 8-gall. ...	4 for each mess.

(a) To be provided locally.

APPENDIX 24

TABLE 2.—Camp Hospital Equipment

Scale of equipment for a hospital of six beds. To be issued only on the recommendation of the D.D.M.S. when troops are training at stations where no military hospital is available.

(N.B.—When the sick are treated in buildings, the tents and other special camp articles will not be issued).

Cleaning and washing materials will be issued upon the written authority of the G.O.C. The quantities issued will not exceed those authorized in the Hospital Schedules for hospitals generally.

Description.	No.	Remarks.
<i>Section F</i>		
Chisels, ripping...	1	
Hammers, carpenters', claw, 1-lb. 8-oz. ...	1	
<i>Section J</i>		
Axes, felling ...	1	
Flags, distinguishing—		
H.P. ...	1	
Crossbars ...	1	
Poles, 16-ft. ...	1	
Forms, dining tent ...	2	
Kettles, camp, Mk. III ...	2	
Lamps, operating, field ambulance, Mk. IV ...	1	
Latrines, screens, Mk. III ...	2	
" scoops ...	1	For each latrine.
Panniers, G.S. (a) ...	3	
Sheets, ground ...	2	
Shovels, G.S. ...	1	
Stools, camp, Mk. IV ...	1	
Stoves, Soyer's ...	1	If coal is issued.
Tables, camp ...	1	
" portable, F.S. (b) ...	2	
Tents, complete—		
C.D. ...	1	For dispensary.
C.S. ...	1	For personnel.
Marquee, H.P., small ...	1	
Tents, marquee, hospital, small, bottoms, canvas ...	1	
<i>Section K</i>		
Bedsteads, folding, Mk. II ...	6	
Blankets, brown, single ...	24	
Bolsters, hospital ...	6	
Boards, bedhead ...	6	
Chairs, windsor ...	2	

(a) The panniers are not issued filled, but certain stores taken from those allowed by this table will be packed in them, as shown at end of table.

(b) Or Tables, trestle, 6-ft.

TABLE 2.—*continued*

Description.	No.	Remarks.
<i>Section K—continued</i>		
Cloths—		
Bed-pan	2	
Distinctive	2	
Table	2	
Tea	6	
Forms, barrack, 4-ft.	2	
Mattresses, hospital, Mk. II	6	
Pillows, feather	3	
,, hair, large	6	
,, ,, slips	12	
Sheets, hospital	24	
Sponges, bath	1	
Stretchers, ambulance, Mk. II	1	
Bars, suspension	1	
Tables, bedside, Mk. II	6	
,, barrack, 4-ft.	2	
Towels, hand, coarse	24	
,, roller	6	
Warmers, stomach	1	
Wash-hand stands, iron frame	1	
<i>Section L</i>		
Basins, earthen, sores	4	
,, enamelled, sores	3	
,, ,, soup, steel, tinned	6	
,, ,, washing	4	
Bins, ash	1	
Brooms, bass, G.S.	1	
Handles	1	
Brushes, scrub, hand, Union	2	
Boxes, dressing...	1	
Cans, 3-gall.	1	
,, ,, lids, Mk. III	1	
,, oil, 5½-pint	2	
Casters, pepper, enamelled	1	
Chairs, night, arm, Mk. II	1	
Cups, spitting, enamelled	1	
Ewers, I.G., 3-qts.	1	
Feeders, enamelled	1	
Inhalers, Mk. III	1	
Kettles, enamelled	1	
Ladles, cooks', F.A.	1	
Lamps, hurricane	6	
Pails, I.G., 3-gall.	2	
Pannikins	10	
Pans, bed, enamelled	2	
Plates, dinner, steel, tinned	6	
Pots, chamber, enamelled	4	
,, mustard, enamelled	1	
,, tea, enamelled	2	
Salt cellars, stainless steel	1	
Saucepans, F.A.	nests	
Scissors, haircutting (a)	prs.	
,, lamp (a)	1	

(a) To be provided locally.

TABLE 2.—*continued*

Description.	No.	Remarks.
<i>Section L—continued</i>		
Stoves, "Primus," No. 5	1	
Tubs, washing, 8-gall.	1	
Urinals, glass, plain	2	
<i>N.I.V.</i>		
Paper, latrine (a)	—	
<i>R.A.C.D. Stores</i>		
<i>Pimlico Section No. 14</i>		
Jackets, pyjama	6	
Trousers, pyjama pairs	6	
<i>Pimlico Section No. 19</i>		
Forks	6	
Knives, table	6	
Spoons	6	
MEDICAL EQUIPMENT		
<i>Section III</i>		
Bandages, flannel, 4-in.	6	
<i>Section V</i>		
Glue, Sinclair's lb.	1	
Splints—		
Arm, Carr's, radius, right and left of each 2	4	
„ extension, modified, Thomas's knee	1	
Elbow, interrupted, Jones's	1	
Hand, Jones's, right and left	2	
Humerus extension, modified, Thomas's,		To be demanded on A.F. I 1209 from the A.D.M.S. of the District* in which the train- ing takes place.
right and left	2	
Knee, Thomas's, without footpiece, ring		
sizes 20, 25 and 28	3	
Knee, Thomas's, metal sliding frame, foot-		
pieces for	3	
Wood, plain, assorted sizes, set of 8 pairs		
set	1	
Splinting, Gooch's, 36-in. wide	1	
yd.	12	
Straps and buckles	12	
<i>Section VIII</i>		
Bottles, water, medical	2	
Boxes, camp, medicine pair	1	
Companion, medical, 1905 pattern	1	
Haversacks, surgical, 1905 pattern	1	

(a) See Allowance Regulations.

* In Commands not having separate Districts, the equipment should be demanded from the D.D.M.S. of the Command in which the training takes place.

NOTE.—A "standard, measuring, height," together with a "machine, weighing, man," may be issued when certified by the D.D.M.S. to be necessary.

TABLE 2.—*continued*

Description.	No.	Remarks.
SUPPLIES		
Panniers , medical comforts, Mk. II, filled ...	1	To be demanded from the O.C. R.A.S.C. of the area.
<i>H.M.S.O. Supply.</i>		
Army Book 27 (Admission and Discharge Book)...	1	} To be demanded from the Stationery Office.
Army Book 39 (Diary or Ward Book) ...	1	

The undermentioned stores, taken from those detailed in the foregoing table, will be packed in the G.S. panniers as shown below :—

Description.	No.	Carried in.
Castors , pepper, enamelled ...	1	} 1st Pannier.
Feeders , enamelled ...	1	
Forks , ...	6	
Kettles , enamelled ...	1	
Knives , table ...	6	
Ladles , cooks', F.A. ...	1	
Pannikins ...	10	
Plates , dinner, steel, tinned ...	6	
Pots , mustard, enamelled ...	1	
„ tea, enamelled ...	2	
Salt cellars , stainless steel ...	1	
Saucepans , F.A. ... nests	1	
Spoons ...	6	
Basins , enamelled, sores ...	3	} 2nd Pannier.
„ earthen, sores ...	4	
Cloths , table ...	2	
„ tea ...	2	
Pans , bed, enamelled ...	2	
Paper , latrine ...	—	
Scissors , haircutting (a) ... pairs	2	
Towels , hand, coarse ...	24	} 3rd Pannier.
„ roller ...	6	
Warmers , stomach ...	1	
Brushes , scrubbing, hand ...	1	
Cans , oil, 5½-pint ...	1	
Chisels , ripping... ...	1	
Cloths , bed-pan ...	2	
„ distinctive ...	2	
Cups , spitting, enamelled ...	1	
Hammers , claw, 24-oz. ...	1	
Lamps , hurricane ...	6	
Pots , chamber, enamelled ...	4	
Scissors , lamp (a) ... pairs	1	
Stoves , oil, “Primus,” No. 5 ...	1	
Urinals , glass, plain ...	1	

(a) To be provided locally.

TABLE 3.—Scale of Camp

Description.	All Units.	Headquarters Units.	Cavalry.
<i>Section A.1</i>			
Bags , letter	—	1 for each unit.	—
<i>Section D.1</i>			
Chains , collar, P.G.S. ...	1 for each mule not already equipped with a chain as part of peace equipment.	—	—
<i>Section E.1</i>			
Carts , water	—	1 for each unit.	2 for each regiment 1 for each detached squadron.
<i>Section F</i>			
Anvils , 1½-cwt.... ..	—	—	—
„ blocks, 1½-cwt.	—	—	—
Forges , field, heavy (a)	—	—	—
Hammers , sledge, straight pane, 14-lb.	—	1 for each unit.	2 for each regiment; 1 for each detached squadron.
<i>Section H.2</i>			
Cordage , hemp, hawser, 3-strand, tarred, 2½-in.	—	—	—
<i>Section J</i>			
Axes , felling	—	1 for each unit.	1 for each Hd.-qrs. 1 for each squadron
„ hand	—	1 for each unit.	1 for Hd.-qrs.; 1 for each squadron.
Axes , pick, } heads } 4½-lbs. } helves } ...	—	1 for each unit	1 for each Hd.-qrs.; 1 for each squadron.
Boxes , stationery, field(b)	1 for each unit	—	—
Buckets , water, canvas, Mk. V.	1 for every two animals, and 1 for each horse-drawn hired vehicle.	—	—
Chairs , camp	—	1 for each General Officer.	—
Covers , saddle	1 for each animal.	—	—
Flags , distinguishing ...	As required	—	—

Equipment for Manœuvres

Royal Artillery.	Royal Engineers, Royal Corps of Signals, Hd.-qrs. of Battalions and Companies Royal Tank Corps.	Infantry.	Royal Army Service Corps.	Royal Army Medical Corps.
—	—	—	—	—
—	—	—	—	—
1 for each unit.	1 for each unit.	2 for each unit.	1 for each unit.	1 for each unit.
1 for each forge, field, heavy.	—	—	1 for each forge, field, heavy.	—
1 for each forge, field, heavy.	—	—	1 for each forge, field, heavy.	—
1 for each brigade Hd.-qrs. ; 1 for each detached battery.	—	—	1 for each unit.	—
1 for each unit.	1 for each unit.	2 for each unit.	1 for each unit.	1 for each unit.
As necessary for medium batteries.	—	—	—	—
2 for each unit.	2 for each unit.	1 for each Hd.-qrs. and 1 for each Company.	2 for each unit.	2 for each unit.
—	2 for each unit.	1 for each Hd.-qrs. and 1 for each Company.	—	2 for each unit.
2 for each unit.	2 for each unit.	1 for each Hd.-qrs. and 1 for each Company.	2 for each unit.	2 for each unit.
—	—	—	—	—
—	—	—	—	—
—	—	—	—	—
—	—	—	—	—
—	—	—	—	—

TABLE 3.—

Description.	All Units.	Headquarters Units.	Cavalry.
<i>Section J—continued</i> Kettles, camp, Mk. III	1 for every 16 warrant officers, N.C.Os. and men, with 50 per cent. additional, if specially ordered (c) (d).	—	—
Latrines, screens, Mk. III	1 for officers, 1 for warrant officers and N.C.Os., and 1 for each squadron or company, except infantry.	—	—
Mallets, heel peg ...	1 for every 8 animals or less (f)	—	—
Mauls, heads, Mk. V } ,, helves, Mk. II }...	1 for every 50 } animals.	—	—
Pegs, picketing, Mk. II	1 for each heel rope, 1 for each 4 ft. 9-in. picketing rope, and 25 per cent. spare.	—	—
Pins, picketing ...	1 for each mule	—	—
Posts, picketing, 2½-ft., Mk. V.	1 for every 10 animals. To increase stability of built-up rope.	—	—
Racks, arm ...	1 for each warrant officer, N.C.O. and men's tent, except medical units.	—	—
Ropes, head, hemp, Mk. IV (g).	1 for each animal and 10 per cent. spare.	—	—
Ropes, heel, small ...	1 for each animal and 20 per cent. spare.	—	—
Ropes, picketing, 4-ft. 9-in,	1 for each animal and 10 per cent. spare. Not for R.H. and F.A. batteries, medium batteries, R.E. units which have horsed transport, and units of the R. Signals, whose requirements will be met from peace equipments.	—	—

continued .

[illegible]

TABLE 3.—

Description,	All Units.	Headquarters Units.	Cavalry.
<i>Section J—continued</i>			
Rugs, horse (<i>h</i>)	1 for each public animal.	—	—
Sheets, ground	1 for each warrant officer, N.C.O. and man.	—	—
Shovels, G.S. (<i>i</i>)	—	1 for each unit.	2 for each Hd.-qrs., 2 for each squadron.
Spades, Mk. III	—	1 for each unit.	2 for each Hd.-qrs., 2 for each squadron.
Stools, camp, Mk. IV	—	1 for each office.	1 for each office.
Tables, camp, Mk. III	—	1 for each G.O.C. (personal use), 1 for each office tent (excluding marquee).	1 for each office.
Tables, portable, F.S. (<i>j</i>)	—	2 for every hd.-qrs. office marquee.	—
Tents, complete—			
C.D.	—	1 for each General Officer.	—
C.S. (<i>k</i>)	—	1 for each field officer; 1 for every 2 other officers; and 1 for every 6 other ranks (to include the tents required for guards and offices).	1 for each C.O. regiment; 1 for each M.O. (to be used also as inspection tent); 1 for every 3 other officers; 2 for guard for each regiment, 1 for guard for each detached squadron; 1 for office for each regiment; 1 for every 12 warrant officers, N.C.Os. and men.
Tents, complete, marquee, G.S., single.	—	1 for officers' mess if required; 1 for each hd.-qrs. office.	—
Wedges, sawyers'	—	2 for each unit.	4 for each regiment; 2 for each detached squadron.

continued

Royal Artillery.	Royal Engineers, Royal Corps of Signals, Hd.-qrs. Battalions and Companies, Royal Tank Corps.	Infantry.	Royal Army Service Corps.	Royal Army Medical Corps.
—	—	—	—	—
—	—	—	—	—
1 for each unit.	2 for each unit.	1 for each Hd.-qrs. and 1 for each company.	2 for each unit.	2 for each unit.
1 for each unit.	2 for each unit.	1 for each Hd.-qrs. and 1 for each company.	2 for each unit.	2 for each unit.
—	—	1 for each office.	—	—
—	—	1 for each office.	—	—
—	—	—	—	—
—	—	—	—	—
1 for each C.O. Brigade; 1 for every 3 officers; 1 for every 12 other ranks.	1 for every 3 officers; 1 for every 12 other ranks.	1 for each C.O. battalion; 1 for each M.O. (to be used also as an inspection tent); 1 for every 3 other officers; 1 for guard for each battalion; 1 for office for each battalion; 1 for every 12 warrant officers, N.C.Os. and men.	1 for every 3 officers; 1 for every 12 other ranks.	1 for every 3 officers; 1 for every 12 other ranks.
—	—	—	—	—
2 for each unit.	2 for each unit.	4 for each unit.	2 for each unit.	2 for each unit.

TABLE 3.—

Description.	All units	Headquarters Units	Cavalry.
<i>Section K</i> Blankets , brown, single	1 for each warrant officer, N.C.O. and man.(l)	—	—
<i>Section L</i> Brooms , bass— Handles } Heads }	—	1 for every 25 animals or less.	1 for every 25 animals.
Implements , butchers'— Cases, wood, filled (m)	1 for each unit.	—	—
Lamps , hurricane ...	—	1 for each office and 1 for each unit.	3 for each Hd.-qrs., 3 for each squadron.
Pails , I.G., 3-gall. (or buckets, canvas).	1 for each warrant officer, N.C.O. and man's tent.	—	—

- (a) When stocks of forges, field, G.S., are exhausted.
 (b) Stationery will be provided by the units concerned.
 (c) Required if cooks are sent on over-night to next camping ground.
 (d) Except for battalions of infantry in possession of travelling kitchens (*see* column 7).
 (e) For battalions in possession of travelling kitchens.
 (f) Officers' horses not picketed with public horses to be calculated separately. Axes, hand, in lieu of mallets, for mules.
 (g) Collar chains for mules, *see* Section D.1 (p. 276).
 (h) Rugs allowed under para. 301, if in possession, will be taken.
 (i) Royal Engineers receive Spades, Mk. III, in lieu.
 (j) Or Tables, trestle, 6-ft.
 (k) Tents to be calculated separately for headquarters, squadrons, batteries, companies, etc.; any fraction of 12 to count as 12. A warrant officer, Class I, to count as 3 men; other N.C.Os. above the rank of corporal to count as 2 men. If cooks are sent on over-night to next camping ground, extra tents should be allowed for their use.

continued

Royal Artillery.	Royal Engineers, Royal Corps of Signals, Hd.-qs. of Battalions and Companies, Royal Tank Corps.	Infantry.	Royal Army Service Corps.	Royal Army Medical Corps.
—	—	—	—	—
1 for every 25 animals.	1 for every 25 animals.	1 for each Hd.-qrs. and 2 for each Company.	1 for every 25 animals.	2 for each unit.
—	—	—	—	—
2 for each unit.	2 for each unit.	2 for each unit.	2 for each unit.	2 for each unit.
—	—	—	—	—

(l) A second blanket for each man will be stored in ordnance depots in the manœuvre area, ready for issue if specially ordered.

(m) Detail as follows:—

<i>Section F</i>							
Saws, tenon, 14-in. ...	...	...	...	...	...	...	1
<i>Section L</i>							
Balances, spring, 4-lb. ...	...	...	...	...	...	...	1
Choppers, meat, butchers' ...	...	...	...	...	...	...	1
Hooks, butchers', 9-in. ...	...	...	...	...	...	...	6
Implements, butcher's—							
Cases, wood, empty ...	...	...	...	...	...	...	1
Sheets, ground, unserviceable ...	...	...	...	...	...	...	1
Knives, butchers', cutting ...	...	...	...	...	...	...	1
,, ,, flaying	...	...	...	...	...	...	1
Steels ...	...	...	...	...	...	...	1
Steelyards, 56-lb. ...	...	...	...	...	...	...	1

TABLE 3.—*continued*

SCALE OF EQUIPMENT FOR MESSES ON MANŒUVRES

I. Large Mess

Description.	Proportion.
<i>Section J</i>	
Latrine , screens, Mk. III	1
Shovels , G.S.	1
Tables , portable, F.S. (a)	1 for every 6 officers and 2 spare.
Tents , { C.S.	1
complete { marquee, G.S., single (b)	1
<i>Section L</i>	
Lamps , hurricane	1 for every 6 officers and 4 for each mess.

II. Small Mess

<i>Section J</i>	
Tables , portable, F.S.	1
Tents , complete, C.S.	1
<i>Section L</i>	
Lamps , hurricane	2

(a) Or Tables, trestle, 6 ft.

(b) If more than 24 officers are encamped an additional marquee may be drawn.

TABLE 3.—*continued*SCALE OF EQUIPMENT FOR REGIMENTAL INSTITUTE ON
MANŒUVRES

I. Full Canteen

Description.	Proportion.
<i>Section J</i>	
Tables , portable, F.S.(a)	2
Tents , complete, marquee, G.S., single	1
<i>Section L</i>	
Lamps , hurricane	3
Machines , weighing, 28-lb., spring balance	1
Pails , I.G., 3 or 4-gall.	2

II. Half Canteen

<i>Section J</i>	
Tables , portable, F.S.	1
Tents , complete, marquee, G.S., single	1
<i>Section L</i>	
Lamps , hurricane	2
Machines , weighing, 28-lb., spring balance	1
Pails , I.G., 3 or 4-gall.	1

(a) Or Tables, trestle, 6 ft.

APPEN

(Referred to in

COMPONENTS, ACCESSORIES, SPARE PARTS
(FOR R.A., R.E. AND R. SIGNALS VEHICLES, see

		Number												
Section No.	Description.	Carts.												
		Carriage, ambulance stretcher, collapsible, Mk. I.	Ambulance, horse, Mk. II.	Hand, common, Mk. III.	Maltese.		Officers' Mess.		Tip, G.S.		Water			
					Mk. V*.	Mk. VI.	Mk. I.	Mk. II.	Mk. II*.	Mk. III.	Mk. V*.	Mk. V**.	Mk. VI.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	
	<i>A.—Not demanded or accounted for separately.</i>													
	<i>COMPONENTS.</i>													
E.1	Adapters, pump ...	—	—	—	—	—	—	—	—	—	—	2	2	2
E.1	Aprons, ambulance wagon ...	—	—	—	—	—	—	—	—	—	—	—	—	—
	Arms, brake—													
E.1	Near ...	—	—	—	—	—	—	—	—	—	—	—	—	—
E.1	Off ...	—	—	—	—	—	—	—	—	—	—	—	—	—
E.1	Axles, wheel, special, No. 94	2	—	—	—	—	—	—	—	—	—	—	—	—
	Axletrees—													
	2nd class "A"—													
E.1	No. 119 ...	—	—	—	—	—	—	—	—	—	—	—	—	—
	2nd class "C"—													
E.1	No. 137 ...	—	1	—	—	—	—	—	—	—	—	—	—	—
E.1	No. 139 ...	—	—	—	—	—	—	—	—	—	1	1	1	—
E.1	No. 141 ...	—	—	—	—	—	—	—	—	—	—	—	—	—
E.1	No. 142 ...	—	—	—	—	—	—	—	—	—	—	—	—	—
E.1	No. 200 ...	—	—	—	—	—	—	—	—	—	—	—	—	—
E.1	No. 210 ...	—	—	—	—	—	—	—	—	—	—	—	—	—
M.3	No. 250A ...	—	—	—	—	—	—	—	—	—	—	—	—	—
	3rd class "A"—													
E.1	No. 145 ...	—	—	1	—	—	—	—	—	—	—	—	—	—
	3rd class, "B"—													
E.1	No. 155 ...	—	—	—	—	—	—	—	—	—	—	—	—	—
E.1	No. 157 ...	—	—	—	—	1	—	—	—	—	—	—	—	—
E.1	No. 158 ...	—	—	—	—	—	—	—	1	—	—	—	—	—
E.1	No. 170 ...	—	—	—	—	—	—	—	—	1	—	—	—	—
E.1	No. 174 ...	—	—	—	—	—	—	—	—	—	—	—	—	—
E.1	No. 216 ...	—	—	—	—	—	—	—	—	—	—	—	—	—
E.1	No. 217 ...	—	—	—	—	—	—	—	—	—	—	—	—	—
E.1	No. 218 ...	—	—	—	—	—	—	1	—	—	—	—	—	—
	Trade pattern	—	—	—	—	—	—	—	—	—	—	—	—	—
E.1	Backrails, driver's seat	—	—	—	—	—	—	—	—	—	—	—	—	—
E.1	Backrests, centre seat	—	—	—	—	—	—	—	—	—	—	—	—	—
E.1	Bags, tool ...	1	—	—	—	—	—	—	—	—	—	—	—	—

paragraph 283)

PART 2, SECTIONS X^A, XI, XII AND XIII^A)

for each vehicle.

[illegible]

COMPONENTS, ACCESSORIES, SPARE PARTS
(FOR R.A., R.E. AND R. SIGNALS VEHICLES, *see*

[illegible]

AND WAGON EQUIPMENT OF VEHICLES
PART 2, SECTIONS X^A, XI, XII AND XIII^A)

[illegible]

Remarks.

APPENDIX 25

COMPONENTS, ACCESSORIES, SPARE PARTS
(FOR R.A., R.E. AND R. SIGNALS VEHICLES, *see*

Section No.	Description.	Number												
		Carriage, ambulance stretcher, collapsible, Mk. I.	Carts.											
			Ambulance, horse, Mk. II.	Hand, common, Mk. III.	Maltese.		Officers' Mess.		Tip, G.S.		Water			
					Mk. V*.	Mk. VI.	Mk. I.	Mk. II.	Mk. II*.	Mk. III.	Mk. V*.	Mk. V**.	Mk. VI.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	
	<i>A.—Not demanded or accounted for separately.</i>													
	COMPONENTS—contd.													
	Blocks—													
	Bearing, brake shaft—													
E.1	Centre	-	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Side	-	-	-	-	-	-	-	-	-	-	-	-	-
	Brake—													
M.3	Field and transport	-	-	-	-	-	-	-	-	-	2	2	2	
E.1	Wagons, ambulance	-	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Supporting—													
	Clarifying cylinders	-	-	-	-	-	-	-	-	-	4	4	4	
E.1	Spring	-	-	-	-	-	-	-	-	-	-	-	-	-
	Boards—													
E.1	Foot	-	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Front	-	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Head	-	-	1	1	1	-	-	1	1	-	-	-	-
E.1	Seat... ..	-	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Tail	-	-	-	-	-	1	1	1	1	-	-	-	-
	Boilers—													
E.1	With tap	-	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Without tap	-	-	-	-	-	-	-	-	-	-	-	-	-
	Bolts—													
E.1	Clamping chimney	-	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Connecting brake arms	-	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Countersunk head, square, ½-in. × 5½-in. (a) ...	-	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Cylinder cover	-	-	-	-	-	-	-	-	-	12	12	12	
E.1	Eye, locking rope, front	-	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Lamp bracket, inside	-	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Retaining connecting lever	-	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Securing sides	-	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Side standards	-	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Shaft	-	-	-	2	2	-	-	-	-	-	-	-	-
E.1	Tie	-	-	-	-	-	-	-	2	3	-	-	-	-
	Bolsters—													
	Body—													
E.1	Front	-	-	-	-	-	-	-	-	-	-	-	-	-

—continued

AND WAGON EQUIPMENT OF VEHICLES
PART 2, SECTIONS XA, XI, XII AND XIII(A)

for each vehicle.

Tank.			Watering, special, Mk. I.	Kitchen, travelling.		Wagons.														Remarks.
						Ambulance.			G.S.			Lim- bered, G.S.								
Mk. VI*.	Mk. VII.	Mk. I.	Mk. II.	Mk. V**.	Mk. VI.							Light, Mk. I.	Mk. IX.	Mk. X.	Mk. X*.	Fore.	Hind.	Range, long, Mk. I.	Range, short, Mk. I.	
						Mk. I.	Mk. II.													
15	16	17	18	19	20	21	22	23	24	25	26	27	28	29						
-	-	-	-	-	-	-	1	-	-	-	-	-	-	-						
2	2	-	2	2	2	2	2	2	2	2	-	2	-	-						
4	4	-	-	-	-	-	-	-	2	2	-	-	-	-						
-	-	-	-	-	1	-	-	-	1	1	1	1	-	-						
-	-	-	-	-	1	1	1	1	1	1	1	1	-	-						
-	-	-	1	1	-	-	-	-	-	-	-	-	-	-						
-	-	-	8	8	-	-	-	-	-	-	-	-	-	-						
-	-	-	2	2	-	-	-	-	-	-	-	-	-	-						
12	12	-	-	-	-	-	-	-	-	-	-	2	-	-						
-	-	-	-	-	-	2	1	-	1	1	-	-	-	-						
-	-	-	-	-	-	-	-	1	-	-	-	-	-	-						
-	-	-	-	-	-	-	-	-	8	8	-	-	-	-						
-	-	-	-	-	-	-	-	-	8	8	-	-	-	-						
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APPENDIX 25

COMPONENTS, ACCESSORIES, SPARE PARTS
(FOR R.A., R.E. AND R. SIGNALS VEHICLES, *see*

		Number											
Section No.	Description.	Carriage, ambulance stretcher, collapsible, Mk. I.	Carts.										
			Ambulance, horse, Mk. II.	Hand, common, Mk. III.	Maltese.		Officers' Mess.		Tip, G.S.		Water		
					Mk. V*.	Mk. VI.	Mk. I.	Mk. II.	Mk. II*.	Mk. III.	Mk. V*.	Mk. V**.	Mk. VI.
1	2	3	4	5	6	7	8	9	10	11	12	13	14
	<i>A.—Not demanded or accounted for separately.</i>												
	COMPONENTS—contd.												
	Bolsters—contd.												
	Body—contd.												
E.1	Intermediate ...	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Lower ...	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Rear ...	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Upper ...	-	-	-	-	-	-	-	-	-	-	-	-
	Undercarriage—												
E.1	Front ...	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Locking bar ...	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Locking, bottom ...	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Locking top ...	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Rear ...	-	-	-	-	-	-	-	-	-	-	-	-
	Boxes—												
E.1	Grease, 3-lb. ...	-	-	1	1	1	1	1	1	1	1	1	1
E.1	Salt ...	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Store ...	-	1	-	-	-	-	-	-	-	1	1	1
E.1	Sugar ...	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Surgical appliances ...	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Tea ...	-	-	-	-	-	-	-	-	-	-	-	-
	Brackets—												
E.1	Bolt, clamping chimney ...	-	-	-	-	-	-	-	-	-	-	-	-
	Brake—												
E.1	Handle ...	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Near ...	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Off ...	-	-	-	-	-	-	-	-	-	-	-	-
	Screws—												
E.1	Front ...	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Rear ...	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Shaft—	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Near ...	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Off ...	-	-	-	-	-	-	-	-	-	-	-	-
	Carrying—												
E.1	Hood, roof ...	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Spare wheel ...	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Connecting rod, brake ...	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Draught pins ...	-	-	-	-	-	-	-	-	2	-	-	-

AND WAGON EQUIPMENT OF VEHICLES
PART 2, SECTIONS X^A, XI, XII AND XIII^A)

for each vehicle.

[illegible]

APPENDIX 25

COMPONENTS, ACCESSORIES, SPARE PARTS
(FOR R.A., R.E. AND R. SIGNALS VEHICLES, *see*

Section No.	Description.	Number											
		Carriage, ambulance stretcher, collapsible, Mk. I.	Carts.										Water
			Ambulance, horse, Mk. II.	Hand, common, Mk. III	Maltese.		Officers' Mess.		Tip, G.S.				
					Mk. V*.	Mk. VI.	Mk. I.	Mk. II.	Mk. II*.	Mk. III.	Mk. V*.	Mk. V**.	Mk. VI.
1	2	3	4	5	6	7	8	9	10	11	12	13	14
	<i>A.—Not demanded or accounted for separately.</i>												
	COMPONENTS—contd.												
	Brackets—contd.												
	Fixing pump—												
E.1	Left	-	-	-	-	-	-	-	-	-	1	1	1
E.1	Right	-	-	-	-	-	-	-	-	-	1	1	1
E.1	Hand lever	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Front, brake	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Hinge stay, rear lid	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Housing drag shoe	-	-	-	-	-	-	-	-	-	-	-	-
	Lamp—												
E.1	Outside	-	-	-	-	-	-	-	-	-	-	-	-
	Vehicle —												
E.1	Inside	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Outside, front	-	-	-	-	-	1	1	-	-	-	-	-
	Lampholders—												
E.1	Near	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Off	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Lever, connecting, brake	-	-	-	-	-	-	-	-	-	-	-	-
E.1	No. 41 limber hook	-	-	-	-	-	-	-	-	-	-	-	-
	Pivoting brake arm—												
	Body—												
E.1	Front	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Rear	-	-	-	-	-	-	-	-	-	-	-	-
	Brake—												
E.1	Near	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Off	-	-	-	-	-	-	-	-	-	-	-	-
	Pole spring—												
E.1	Near	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Off	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Quick release strap	-	-	-	-	-	-	-	-	-	-	-	-
	Rear lamp—												
E.1	No. 1	-	-	-	-	-	-	-	-	-	-	-	-
E.1	No. 2	-	-	-	-	-	-	-	-	-	1	1	1
E.1	No. 3	-	1	-	1	1	-	1	1	1	-	-	-
E.1	No. 4	-	-	-	-	-	-	-	-	-	-	-	-
	Rear prop—												
E.1	Front	-	-	-	-	-	-	-	-	-	-	-	-

AND WAGON EQUIPMENT OF VEHICLES
PART 2, SECTIONS X^A, XI, XII AND XIII^A)

[illegible]

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APPENDIX 25

COMPONENTS, ACCESSORIES, SPARE PARTS
(FOR R.A., R.E. AND R. SIGNALS VEHICLES, *see*

		Number											
Section No.	Description.	Carts.											
		Carriage, ambulance stretcher, collapsible, Mk. I.	Ambulance, horse, Mk. II.	Hand, common, Mk. III.	Maltese.		Officers' Mess.		Tip, G.S.		Water		
					Mk. V*.	Mk. VI.	Mk. I.	Mk. II.	Mk. II*.	Mk. III.	Mk. V*.	Mk. V**.	Mk. VI.
1	2	3	4	5	6	7	8	9	10	11	12	13	14
	A.—Not demanded or accounted for separately.												
	COMPONENTS—contd.												
	Brackets—contd.												
	Rear prop—contd.												
E.1	Rear	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Roof standard body	-	-	-	-	-	-	-	-	-	-	-	-
	Socket stay—												
E.1	Near	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Off	-	-	-	-	-	-	-	-	-	-	-	-
	Stay, fuel box—												
E.1	Near	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Off	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Stop, stay, rear lid	-	-	-	-	-	-	-	-	-	-	-	-
	Supporting—												
	Brake bar—												
E.1	Near	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Off	-	-	-	-	-	-	-	-	-	-	-	-
	Spare pole—												
E.1	Front	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Rear	-	-	-	-	-	-	-	-	-	-	-	-
	Spring—												
E.1	Front	-	-	-	-	-	2	2	-	-	-	-	-
E.1	Rear	-	-	-	-	-	2	2	-	-	-	-	-
	Stays, brake—												
E.1	Near	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Off	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Suspending drag shoe	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Tread plate, upper step	-	-	-	-	-	-	-	-	-	-	-	-
	Carriers, dust excluder—												
E.1	2nd class axletree, No. 1 ...	-	-	-	-	-	-	-	-	-	-	-	-
E.1	3rd class axletree, No. 1 ...	-	-	-	-	-	-	-	-	-	-	-	-
	Cases—												
E.1	Cleaver and saw	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Small store box (a)	-	-	-	-	-	-	-	-	-	1	1	1
E.1	Tool	-	-	-	1	1	-	-	-	-	-	-	-
E.1	Casings, hose strainer apparatus filtering	-	-	-	-	-	-	-	-	-	2	2	2

AND WAGON EQUIPMENT OF VEHICLES
PART 2, SECTIONS X^A, XI, XII AND XIII^A)

[illegible]

(a) Not for carts fitted with Mk. II store box.

APPENDIX 25

COMPONENTS, ACCESSORIES, SPARE PARTS
(FOR R.A., R.E. AND R. SIGNALS VEHICLES, *see*

Section No.	Description.	Number											
		Carriage, ambulance stretcher, collapsible, Mk. I.	Carts.										
			Ambulance, horse, Mk. II.	Hand, common, Mk. III.	Maltese.		Officers' Mess.		Tip, G.S.		Water		
					Mk. V*.	Mk. VI.	Mk. I.	Mk. II.	Mk. II*.	Mk. III.	Mk. V*.	Mk. V**.	Mk. VI.
1	2	3	4	5	6	7	8	9	10	11	12	13	14
	<i>A.—Not demanded or accounted for separately.</i>												
	<i>COMPONENTS—contd.</i>												
	Catches—												
E.1	Firebox door ...	-	-	-	-	-	-	-	-	-	-	-	-
	Limbers and Wagons—												
M.3	No. 3 ...	-	-	-	-	-	-	-	-	-	-	-	-
M.3	No. 4 ...	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Securing tank ...	-	-	-	-	-	-	-	-	-	-	-	-
	Chains—												
E.1	Bar, securing water tank ...	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Check ...	-	-	-	-	-	-	-	-	-	-	-	-
	Drag shoe—												
E.1	No. 21 ...	-	-	-	-	-	-	-	-	-	-	-	-
E.1	No. 22 ...	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Draught ...	-	-	-	2	2	-	-	-	-	-	-	-
E.1	Draught pole, No. 2 ...	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Tailboard ...	-	-	-	-	-	2	2	-	-	-	-	-
E.1	Chimneys ...	-	-	-	-	-	-	-	-	-	-	-	-
	Clips—												
E.1	Axletree ...	-	-	-	-	-	-	-	2	2	2	2	2
E.1	Near ...	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Off ...	-	-	-	-	-	-	-	-	-	-	-	-
	Brake shaft—												
E.1	Centre ...	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Side ...	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Draught spring ...	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Hose, 1-in. ...	-	-	-	-	-	-	-	-	-	2	2	2
	Rifle, vehicles—												
E.1	No. 1 ...	-	-	-	-	1	1	1	-	-	-	-	-
E.1	No. 2 ...	-	-	-	-	1	1	1	-	-	-	-	-
E.1	No. 3 ...	-	-	-	-	-	-	-	-	-	-	-	-
E.1	No. 4 ...	-	-	-	-	-	-	-	-	-	-	-	-
	Securing—												
E.1	Pump ...	2	-	-	-	-	-	-	-	-	-	-	-
E.1	Rake ...	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Stretcher...	4	-	-	-	-	-	-	-	-	-	-	-
E.1	Cocks, stop ...	-	-	-	-	-	-	-	-	-	1	1	1

—continued

AND WAGON EQUIPMENT OF VEHICLES
PART 2, SECTIONS X^A, XI, XII AND XIII^A)

for each vehicle.

Tank.			Wagons.																	Remarks.
			Kitchen, travelling.		Ambulance.			G.S.			Lim- bered, G.S.		Range, long, Mk. I.		Range, short, Mk. I.					
											Fore.	Hind.								
Mk. VI*.	Mk. VII.	Watering, special, Mk. I.	Mk. I.	Mk. II.	Mk. V**.	Mk. VI.	Light, Mk. I.	Mk. IX.	Mk. X.	Mk. X*.	Mk. I.	Mk. II.								
15	16	17	18	19	20	21	22	23	24	25	26	27	28	29						
-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-				
-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-				
-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-				
-	-	-	-	-	1	1	-	2	-	-	-	-	-	-	-	-				
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
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-	-	-	-	-	-	-														

APPENDIX 25

COMPONENTS, ACCESSORIES, SPARE PARTS
(FOR R.A., R.E. AND R. SIGNALS VEHICLES, *see*

		Number											
Section No.	Description.	Carts.											
		Carriage, ambulance stretcher, collapsible, Mk. I.	Ambulance, horse, Mk. II.	Hand, common, Mk. III.	Maltese.		Officers' Mess.		Tip, G.S.		Water		
					Mk. V*.	Mk. VI.	Mk. I.	Mk. II.	Mk. II*.	Mk. III.	Mk. V*.	Mk. V**.	Mk. VI.
1	2	3	4	5	6	7	8	9	10	11	12	13	14
	<i>A.—Not demanded or accounted for separately.</i>												
	COMPONENTS—contd.												
	Collars—												
	Adjusting—												
E.1	2nd class "C" capped wheels ...	1	2	-	-	-	-	-	-	-	2	2	2
E.1	3rd class "B" capped wheels ...	-	-	-	2	2	2	2	2	2	-	-	-
E.1	Distance, brake screw ...	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Cones, chimney base ...	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Connections, hose outlet ...	-	-	-	-	-	-	-	-	-	2	2	2
E.1	Cotters, firebox ...	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Couplings, wire rope ...	-	-	-	-	-	-	-	-	-	-	-	-
	Covers—												
E.1	Cart, officers' mess ...	-	-	-	-	-	1	1	-	-	-	-	-
E.1	Tank lid ...	-	-	-	-	-	-	-	-	-	1	1	1
E.1	Thigh splints ...	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Wagon, ambulance, light...	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Cups, drinking, carts, water...	-	-	-	-	-	-	-	-	-	1	1	1
E.1	Curtains, Mk. VI, ambulance wagon (set of 8) ... set	-	-	-	-	-	-	-	-	-	-	-	-
	Cushions—												
E.1	Driver's seat ...	-	-	-	-	-	1	1	-	-	-	-	-
	Wagon—												
E.1	Ambulance, light ...	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Mks. V**, ambulance ...	-	-	-	-	-	-	-	-	-	-	-	-
	Mk. VI, ambulance—												
E.1	Large ...	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Small ...	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Cylinders, Mk. II ...	-	-	-	-	-	-	-	-	-	2	2	2
E.1	Dishes, baking ...	-	-	-	-	-	-	-	-	-	-	-	-
	Doors—												
E.1	Ashpit ...	-	-	-	-	-	-	-	-	-	-	-	-
	Cart, ambulance, horse—												
E.1	Left ...	-	2	-	-	-	-	-	-	-	-	-	-
E.1	Right ...	-	2	-	-	-	-	-	-	-	-	-	-
E.1	Centre oven ...	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Firebox ...	-	-	-	-	-	-	-	-	-	-	-	-

—continued

AND WAGON EQUIPMENT OF VEHICLES
PART 2, SECTIONS XA, XI, XII AND XIII^A)

for each vehicle.

Tank.			Wagons.																	Remarks.
			Watering, special, Mk. I.			Kitchen, travelling.		Ambulance.			G.S.			Lim- bered, G.S.		Range, long, Mk. I.		Range, short, Mk. I.		
Fore.	Hind.																			
Mk. VI*.	Mk. VII.		Mk. I.	Mk. II.	Mk. V**.	Mk. VI.	Light, Mk. I.	Mk. IX.	Mk. X.	Mk. X*.	Mk. I.	Mk. II.								
15	16	17	18	19	20	21	22	23	24	25	26	27	28	29						
2	2	-	4	4	-	2	-	2	2	2	2	2	-	-						
-	-	-	-	-	2	2	4	2	2	2	-	-	-	-						
-	-	-	1	1	-	-	-	-	-	-	-	-	-	-						
-	-	-	4	4	-	-	-	-	1	1	-	-	-	-						
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
1	1	-	-	-	-	1	-	-	-	-	-	-	-	-						
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
-	-	-	-	-	1	-	1	-	-	-	-	-	-	-						
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
2	2	-	-	-	-	1	-	-	-	-	-	-	-	-						
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
-	-	-	1	1	-	-	-	-	-	-	-	-	-	-						
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
1	1	-	-	-	-	-	-	-	-	-	-	-	-	-						
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						

APPENDIX 25

COMPONENTS, ACCESSORIES, SPARE PARTS
(FOR R.A., R.E. AND R. SIGNALS VEHICLES, *see*

		Number												
Section No.	Description.	Carts.												
		Carriage, ambulance stretcher, collapsible, Mk. I.	Ambulance, horse, Mk. II.	Hand, common, Mk. III.	Maltese.		Officers' Mess.		Tip, G.S.		Water			
					Mk. V*.	Mk. VI.	Mk. I.	Mk. II.	Mk. II*.	Mk. III.	Mk. V*.	Mk. V**.	Mk. VI.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	
	<i>A.—Not demanded or accounted for separately.</i>													
	<i>COMPONENTS—contd.</i>													
	<i>Ferrules—contd.</i>													
	<i>¾-in. hose—contd.</i>													
E.1	Union	-	-	-	-	-	-	-	-	-	-	5	5	5
E.1	Fireboxes	-	-	-	-	-	-	-	-	-	-	-	-	-
	Flanges, axletree—													
E.1	Inner	-	-	-	-	-	-	-	-	-	-	-	-	-
	Outer—													
E.1	Near	-	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Off	-	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Flaps, water buckets	-	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Floats, hose strainer ...	-	-	-	-	-	-	-	-	-	-	2	2	2
E.1	Futchels	-	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Girths, cart	-	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Gratings	-	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Guards, wire rope	-	-	-	-	-	-	-	-	-	-	-	-	-
	Guides—													
E.1	Lever, connecting brake ...	-	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Wire rope	-	-	-	-	-	-	-	-	-	-	-	-	-
	Handles—													
E.1	Box lids	-	-	-	-	-	-	-	-	-	-	-	-	-
	Brake—													
E.1	No. 1	-	-	-	-	-	-	-	-	-	-	1	1	1
E.1	No. 6	-	-	-	-	-	-	-	-	-	-	-	-	-
	Rear lid—													
E.1	Near	-	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Off	-	-	-	-	-	-	-	-	-	-	-	-	-
	Hasps—													
E.1	Box, store	-	-	-	-	-	-	-	-	-	-	2	2	2
E.1	Locker	-	-	-	-	-	1	1	-	-	-	-	-	-
E.1	Driver's seat	-	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Small stores	-	-	-	-	-	-	-	-	-	-	-	-	-
	Hinges—													
E.1	Ashpit door	-	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Chimney	-	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Firebox door	-	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Fuel box door	-	-	-	-	-	-	-	-	-	-	-	-	-

AND WAGON EQUIPMENT OF VEHICLES
PART 2, SECTIONS X^A, XI, XII AND XIII^A)

[illegible]

APPENDIX 25

COMPONENTS, ACCESSORIES, SPARE PARTS
(FOR R.A., R.E. AND R. SIGNALS VEHICLES, *see*

		Number											
Section No.	Description.	Carts.											
		Carriage, ambulance stretcher, collapsible, Mk. I.	Ambulance, horse, Mk. II.	Hand, common, Mk. III.	Maltese.		Officers' Mess.		Tip, G.S.		Water		
					Mk. V*.	Mk. VI.	Mk. I.	Mk. II.	Mk. II*.	Mk. III.	Mk. V*.	Mk. V**.	Mk. VI.
1	2	3	4	5	6	7	8	9	10	11	12	13	14
	<i>A.—Not demanded or accounted for separately.</i>												
	COMPONENTS—contd.												
	Hinges—contd.												
E.1	Lid, tank	—	—	—	—	—	—	—	—	—	2	2	2
E.1	Locker	—	—	—	—	—	—	2	—	—	—	—	—
E.1	Driver's seat	—	—	—	—	—	—	—	—	—	—	—	—
E.1	Lower lid, box, store	—	—	—	—	—	—	—	—	—	2	2	2
E.1	Upper lid, box, store	—	—	—	—	—	—	—	—	—	2	2	2
E.1	Holdall, small stores	—	—	—	—	—	—	—	—	—	—	—	—
	Holders—												
	Rifle—												
	Front—												
E.1	Near	—	—	—	—	—	—	—	—	—	—	—	—
E.1	Off	—	—	—	—	—	—	—	—	—	—	—	—
	Rear—												
E.1	Near	—	—	—	—	—	—	—	—	—	—	—	—
E.1	Off	—	—	—	—	—	—	—	—	—	—	—	—
E.1	Roof standard	—	—	—	—	—	—	—	—	—	—	—	—
	Hooks—												
E.1	Crutch	—	—	—	—	—	—	—	1	—	—	—	—
E.1	Draught	—	—	—	—	—	—	—	—	3	2	2	2
E.1	Near	—	—	—	—	—	—	—	—	1	—	—	—
E.1	Off	—	—	—	—	—	—	—	—	—	—	—	—
E.1	Drinking cup	—	—	—	—	—	—	—	—	—	1	1	1
E.1	Housing drag shoe	—	—	—	—	—	—	—	—	—	—	—	—
E.1	Joint, tailboard	—	—	—	—	—	—	—	—	—	—	—	—
E.1	Plain	—	—	—	—	—	1	1	—	—	—	—	—
E.1	With keyway	—	—	—	—	—	1	1	—	—	—	—	—
E.1	Lashing	—	—	—	—	—	—	—	—	—	—	—	—
	Limber—												
E.1	No. 30A	—	—	—	—	—	—	—	—	—	—	—	—
E.1	No. 41	—	—	—	—	—	—	—	—	—	—	—	—
E.1	S, cart or wagon	—	—	—	—	—	—	—	—	—	—	—	—
E.1	Springs	—	—	—	—	—	—	—	—	—	—	—	—
	Suspending—												
E.1	Dragshoe... ..	—	—	—	—	—	—	—	—	—	—	—	—
E.1	Spanner	—	—	—	—	—	—	—	—	—	—	—	—
E.1	Hoops, bale sets	—	—	—	—	—	—	—	—	—	—	—	—

AND WAGON EQUIPMENT OF VEHICLES
PART 2, SECTIONS X^A, XI, XII AND XIII^A)

[illegible]

APPENDIX 25

COMPONENTS, ACCESSORIES, SPARE PARTS
(FOR R.A., R.E. AND R. SIGNALS VEHICLES, *see*

Section No.	Description.	Number											
		Carriage, ambulance stretcher, collapsible, Mk. I.	Carts.								Water		
			Ambulance, horse, Mk. II.	Hand, common, Mk. III.	Maltese.		Officers' Mess.		Tip, G.S.				
					Mk. V*.	Mk. VI.	Mk. I.	Mk. II.	Mk. II*.	Mk. III.			Mk. V*.
1	2	3	4	5	6	7	8	9	10	11	12	13	14
	<i>A.—Not demanded or accounted for separately.</i>												
	COMPONENTS—contd.												
	Hose—												
E.1	Connecting tank to draw off pipe	—	—	—	—	—	—	—	—	—	1	1	1
	Delivery, app., filtering—												
E.1	5 ft. 6-in. long	—	—	—	—	—	—	—	—	—	1	1	1
E.1	5-ft. 0-in. long	—	—	—	—	—	—	—	—	—	1	1	1
E.1	3-ft. 6-in. long	—	—	—	—	—	—	—	—	—	1	1	1
E.1	2 ft. 9-in. long	—	—	—	—	—	—	—	—	—	1	1	1
E.1	Suction, app., filtering ...	—	—	—	—	—	—	—	—	—	2	2	2
	Joints, tipping—												
E.1	Near	—	—	—	—	—	—	—	1	1	—	—	—
E.1	Off	—	—	—	—	—	—	—	1	1	—	—	—
	Keys—												
E.1	Head and tail	—	—	—	—	—	—	—	4	2	—	—	—
E.1	Limber hook, No. 19	—	—	—	—	—	—	—	—	—	—	—	—
E.1	Rear prop	—	—	—	—	—	—	—	—	—	—	—	—
E.1	Seat spring clip	—	—	—	—	—	—	—	—	—	—	—	—
	Split, flat—												
M.3	1-in. × 4-in.	—	—	—	—	—	—	—	2	2	1	1	1
E.1	$\frac{3}{4}$ -in. × 3 $\frac{1}{2}$ -in.	—	—	—	—	—	—	—	—	—	—	—	—
E.1	$\frac{3}{4}$ -in. × 2 $\frac{1}{2}$ -in.	—	—	—	—	—	—	—	—	—	—	—	—
E.1	$\frac{3}{4}$ -in. × 3-in.	—	4	—	—	—	—	—	—	—	—	—	—
E.1	$\frac{3}{4}$ -in. × 2 $\frac{1}{2}$ -in.	—	—	—	—	—	1	1	—	—	—	—	—
E.1	Stop cock	—	—	—	—	—	—	—	—	—	1	1	1
E.1	Stud retaining chimney ...	—	—	—	—	—	—	—	—	—	—	—	—
E.1	Tailboard	—	—	—	—	—	2	2	—	—	—	—	—
E.1	Ladders	—	—	—	—	—	—	—	—	—	—	—	—
	Lamps, vehicle—												
E.1	Left-hand	—	—	—	—	—	—	—	—	—	—	—	—
E.1	Right-hand	—	—	—	—	—	—	—	—	—	—	—	—
	Lashings—												
	Tarred—												
E.1	1-in. × 10 ft.	—	—	—	—	—	—	—	—	—	—	—	—
E.1	1-in. × 18 ft.	—	—	—	—	—	—	—	—	—	—	—	—
E.1	White, 1-in. with 7 hooks	—	—	—	—	—	—	—	—	—	—	—	—

AND WAGON EQUIPMENT OF VEHICLES
PART 2, SECTIONS X^A, XI, XII AND XIII^A)

[illegible]

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AND WAGON EQUIPMENT OF VEHICLES
PART 2, SECTIONS X^A, XI, XII AND XIII^A)

[illegible]

APPENDIX 25
COMPONENTS, ACCESSORIES, SPARE PARTS
(FOR R.A., R.E. AND R. SIGNALS VEHICLES, see

Section No.	Description.	Number											
		Carriage, ambulance stretcher, collapsible, Mk. I.	Ambulance, horse, Mk. II.	Hand, common, Mk. III.	Maltese.		Officers' Mess.		Tip, G.S.		Water		
					Mk. V*.	Mk. VI.	Mk. I.	Mk. II.	Mk. II*.	Mk. III.	Mk. V*.	Mk. V**.	Mk. VI.
1	2	3	4	5	6	7	8	9	10	11	12	13	14
	<i>A.—Not demanded or accounted for separately.</i>												
	COMPONENTS—contd.												
	Mudguards—												
E.1	Near	—	—	—	—	—	1	1	—	—	—	—	—
E.1	Off	—	—	—	—	—	1	1	—	—	—	—	—
	Nets, roof—												
E.1	Hind	—	—	—	—	—	—	—	—	—	—	—	—
E.1	Side	—	—	—	—	—	—	—	—	—	—	—	—
E.1	Nibs, tailboard	—	—	—	—	—	2	2	—	—	—	—	—
E.1	Nuts, brake screw	—	—	—	—	—	—	—	—	—	—	—	—
E.1	Outriggers	—	—	—	1	1	—	—	—	—	—	—	—
E.1	Ovens, centre	—	—	—	—	—	—	—	—	—	—	—	—
	Pads, resting stretcher—												
E.1	2-in. wide	—	—	—	—	—	—	—	—	—	—	—	—
E.1	1½-in. wide	—	—	—	—	—	—	—	—	—	—	—	—
E.1	1½-in. wide	—	—	—	—	—	—	—	—	—	—	—	—
E.1	Pans, frying	—	—	—	—	—	—	—	—	—	—	—	—
E.1	Perches	—	—	—	—	—	—	—	—	—	—	—	—
	Pins—												
	Connecting brake—												
E.1	Handle brackets	—	—	—	—	—	—	—	—	—	—	—	—
E.1	Shoe	—	—	—	—	—	—	—	—	—	—	—	—
	Draught—												
E.1	No. 1	—	—	—	—	—	—	—	—	—	—	—	—
E.1	No. 2	—	—	—	—	—	—	—	—	—	—	—	—
M.3	No. 3	—	—	—	—	—	—	—	—	—	1	1	1
E.1	No. 7	—	—	—	—	—	—	—	2	2	—	—	—
E.1	No. 24	—	—	—	—	—	—	—	—	—	—	—	—
E.1	No. 25	—	—	—	—	—	—	—	—	—	—	—	—
E.1	Joint, tipping	—	—	—	—	—	—	—	1	1	—	—	—
	Linch—												
E.1	2nd class (a)	—	—	—	—	—	—	—	—	—	—	—	—
E.1	2nd class "C" capped wheels	—	2	—	—	—	—	—	—	—	2	2	2
E.1	3rd class (a)	—	—	—	—	—	—	—	—	—	—	—	—
E.1	3rd class "B" capped wheels	—	—	—	2	2	2	2	2	2	—	—	—
E.1	With treadplate "B"	—	—	—	—	—	—	—	—	—	—	—	—
	Main—												
E.1	No. 7	—	—	—	—	—	—	—	—	—	—	—	—

AND WAGON EQUIPMENT OF VEHICLES
PART 2, SECTIONS X^A, XI, XII AND XIII^A)

Tank.			Wagons.																	Remarks.
			Watering, special, Mk. I.			Kitchen, travelling.		Ambulance.			G.S.			Lim- bered, G.S.		Range, long, Mk. I.		Range, short, Mk. I.		
Mk. VI*.	Mk. VII.		Mk. I.	Mk. II.	Mk. V**.	Mk. VI.	Light, Mk. I.	Mk. IX.	Mk. X.	Mk. X*.	Mk. I.	Mk. II.	Fore.	Hind.						
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				
25																				
26																				
27																				
28																				
29																				

(a) Only for vehicles no fitted with dust-capped wheels.

(a) Only for vehicles not fitted with dust-capped wheels.

APPENDIX 25

COMPONENTS, ACCESSORIES, SPARE PARTS
(FOR R.A., R.E. AND R. SIGNALS VEHICLES, see

		Number											
Section No.	Description.	Carts.											
		Carriage, ambulance stretcher, collapsible, Mk. I.	Ambulance, horse, Mk. II.	Hand, common, Mk. III.	Maltese.		Officers' Mess.		Tip, G.S.		Water		
					Mk. V*.	Mk. VI.	Mk. I.	Mk. II.	Mk. II*.	Mk. III.	Mk. V*.	Mk. V**.	Mk. VI.
1	2	3	4	5	6	7	8	9	10	11	12	13	14
	<i>A.—Not demanded or accounted for separately.</i>												
	COMPONENTS—contd.												
	Pins—contd.												
	Main—contd.												
E.1	No. 10	-	-	-	-	-	-	-	-	-	-	-	-
E.1	No. 36	-	-	-	-	-	-	-	-	-	-	-	-
E.1	No. 36A	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Perch	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Pole spring bracket	-	-	-	-	-	-	-	-	-	-	-	-
	Securing—												
E.1	Prop (with chain) ...	-	4	-	-	-	-	-	-	-	-	-	-
E.1	Shaft (with chain) ...	-	2	-	-	-	-	-	-	-	-	-	-
E.1	Stop, joint, rod connecting brake	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Pipes, draw-off	-	-	-	-	-	-	-	-	-	1	1	1
	Plates—												
	Angle—												
E.1	Corner	-	-	-	-	-	-	-	-	-	-	-	-
	Strengthening side—												
E.1	Near	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Off	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Arrow, brake	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Axletree clip	-	-	-	-	-	-	-	-	-	-	2	2
E.1	Baffle, firebox	-	-	-	-	-	-	-	-	-	-	-	-
	Bottom, side oven—												
E.1	Near	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Off	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Box, fuel	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Clip, brake lever	-	-	-	-	-	-	-	-	-	-	-	-
	Front—												
E.1	Lower	-	-	-	-	-	-	-	-	-	-	-	-
	Side ovens—												
E.1	Near	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Off	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Inscription	1	1	1	1	1	1	1	1	1	1	1	1
E.1	Locking	-	-	-	-	-	-	-	-	-	-	-	-
	Loop—												
E.1	Locking rope, rear ...	-	-	-	-	-	-	-	-	-	-	-	-

—continued

AND WAGON EQUIPMENT OF VEHICLES
PART 2, SECTIONS X^A, XI, XII AND XIII^A)

for each vehicle.

[illegible]

APPENDIX 25

COMPONENTS, ACCESSORIES, SPARE PARTS
(FOR R.A., R.E. AND R. SIGNALS VEHICLES, *see*

Section No.	Description.	Number for											
		Carriage, ambulance stretcher, collapsible, Mk. I.	Carts.										Water
			Ambulance, horse, Mk. II.	Hand, common, Mk. III.	Maltese.		Officers' Mess.		Tip, G.S.				
					Mk. V*.	Mk. VI.	Mk. I.	Mk. II.	Mk. II*.	Mk. III.	Mk. V*.	Mk. V**.	Mk. VI.
1	2	3	4	5	6	7	8	9	10	11	12	13	14
	<i>A.—Not demanded or accounted for separately.</i>												
	<i>COMPONENTS—contd.</i>												
	<i>Plates—contd.</i>												
	<i>Loop—contd.—</i>												
E.1	Springs, brake ...	—	—	—	—	—	—	—	—	—	—	—	—
E.1	Tailboard, chain ...	—	—	—	—	—	—	—	—	—	—	—	—
E.1	Nib, perch ...	—	—	—	—	—	—	—	—	—	—	—	—
E.1	Shaft nib ...	—	—	—	—	—	—	—	—	—	—	—	—
E.1	Side, axletree bolts ...	—	—	—	—	—	—	—	—	—	—	—	—
	<i>Sliding—</i>												
E.1	Damper ...	—	—	—	—	—	—	—	—	—	—	—	—
E.1	Rear ...	—	—	—	—	—	—	—	—	—	—	—	—
E.1	Soot door ...	—	—	—	—	—	—	—	—	—	—	—	—
	<i>Stop, draught pole—</i>												
	<i>Bottom—</i>												
E.1	Front ...	—	—	—	—	—	—	—	—	—	—	—	—
E.1	Rear ...	—	—	—	—	—	—	—	—	—	—	—	—
E.1	Top ...	—	—	—	—	—	—	—	—	—	—	—	—
	<i>Strap, joint tailboard—</i>												
E.1	Near ...	—	—	—	—	—	—	—	—	—	—	—	—
E.1	Off ...	—	—	—	—	—	—	—	—	—	—	—	—
	<i>Strengthening—</i>												
	<i>Body frame—</i>												
	<i>Front—</i>												
E.1	Near ...	—	—	—	—	—	—	—	—	—	—	—	1
E.1	Off ...	—	—	—	—	—	—	—	—	—	—	—	1
	<i>Rear—</i>												
E.1	Near ...	—	—	—	—	—	—	—	—	—	—	—	1
E.1	Off ...	—	—	—	—	—	—	—	—	—	—	—	1
	<i>Body front—</i>												
E.1	Near ...	—	—	—	—	—	—	—	—	—	—	—	—
E.1	Off ...	—	—	—	—	—	—	—	—	—	—	—	—
	<i>Front corners—</i>												
E.1	Near ...	—	—	—	—	—	—	—	—	—	—	—	—
E.1	Off ...	—	—	—	—	—	—	—	—	—	—	—	—
	<i>Outer side plates—</i>												
E.1	Near ...	—	—	—	—	—	—	—	—	—	—	—	—
E.1	Off ...	—	—	—	—	—	—	—	—	—	—	—	—

AND WAGON EQUIPMENT OF VEHICLES
PART 2, SECTIONS X^A, XI, XII AND XIII^A)

[illegible]

Remarks.	

APPENDIX 25

COMPONENTS, ACCESSORIES, SPARE PARTS
(FOR R.A., R.E. AND R. SIGNALS VEHICLES, *see*

		Number											
Section No.	Description.	Carts.											
		Carriage, ambulance stretcher, collapsible, Mk. I.	Ambulance, horse, Mk. II.	Hand, common, Mk. III.	Maltese.		Officers' Mess.		Tip, G.S.		Water		
					Mk. V*.	Mk. VI.	Mk. I.	Mk. II.	Mk. II*.	Mk. III.	Mk. V*.	Mk. V**.	Mk. VI.
1	2	3	4	5	6	7	8	9	10	11	12	13	14
	<i>A.—Not demanded or accounted for separately.</i>												
	COMPONENTS—contd.												
	Plates—contd.												
	Strengthening—contd.												
	Tailboard—												
E.1	Centre ...	-	-	-	-	-	-	-	-	-	-	-	-
	Outer—												
E.1	Near ...	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Off ...	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Stud, hand lever, brake ...	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Tie rod ...	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Washer, side stop standards	-	-	-	-	-	-	-	-	-	-	-	-
	Plugs—												
E.1	Draw-off pipe ...	-	-	-	-	-	-	-	-	-	2	2	2
E.1	Outlet hose connection ...	-	-	-	-	-	-	-	-	-	2	2	2
	Poles, draught—												
E.1	Cart, hand, common ...	-	-	1	-	-	-	-	-	-	-	-	-
E.1	No. 7A ...	-	-	-	-	-	-	-	-	-	-	-	-
E.1	No. 9 ...	-	-	-	-	-	-	-	-	-	-	-	-
M.3	No. 17 ...	-	-	-	-	-	-	-	-	-	1	1	1
E.1	Wagon range ...	-	-	-	-	-	-	-	-	-	-	-	-
	Props—												
E.1	Rear ...	-	-	-	-	-	-	-	-	-	-	-	-
	Vehicle—												
E.1	"A" ...	-	-	2	-	-	-	-	-	-	-	-	-
	"C"—												
E.1	No. 2 ...	-	-	-	-	-	-	-	-	-	1	1	1
E.1	No. 4 ...	-	-	-	-	-	-	-	-	-	1	1	1
E.1	Pumps, differential ...	-	-	-	-	-	-	-	-	-	2	2	2
E.1	Racks, brake ...	-	-	-	-	-	-	-	-	-	-	-	-
	Rails—												
E.1	Guard ...	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Hand ...	-	-	-	-	-	-	-	-	-	-	-	-
	Net—												
E.1	Hind, roof ...	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Side, roof ...	-	-	-	-	-	-	-	-	-	-	-	-

AND WAGON EQUIPMENT OF VEHICLES
PART 2, SECTIONS X^A, XI, XII AND XIII^A)

[illegible]

APPENDIX 25

COMPONENTS, ACCESSORIES, SPARE PARTS
(FOR R.A., R.E. AND R. SIGNALS VEHICLES, *see*

Section No.	Description.	Number												
		Carriage, ambulance stretcher, collapsible, Mk. I.	Ambulance, horse, Mk. II.	Hand, common, Mk. III.	Carts.									
					Maltese.		Officers' mess.		Tip, G.S.		Water			
					Mk. V*.	Mk. VI.	Mk. I.	Mk. II.	Mk. II*.	Mk. III.	Mk. V*.	Mk. V**.	Mk. VI.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	
	<i>A.—Not demanded or accounted for separately.</i>													
	COMPONENTS—contd.													
	Rails—contd.													
E.1	Rein	-	-	-	-	-	1	1	-	-	-	-	-	-
	Side—													
E.1	Near	-	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Off	-	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Rakes, fire	-	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Ramps (with hinge bar)	-	2	-	-	-	-	-	-	-	-	-	-	-
E.1	Raves—	-	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Near	-	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Off	-	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Reels, clarifying	-	-	-	-	-	-	-	-	-	2	2	2	2
	Rests—													
E.1	Arm	-	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Housing chimney	-	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Rings, angle, chimney cone base	-	-	-	-	-	-	-	-	-	-	-	-	-
	Rods—													
	Brake arm—													
E.1	Near	-	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Off	-	-	-	-	-	-	-	-	-	-	-	-	-
	Connecting—													
E.1	Brake	-	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Brake arm	-	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Brake shaft	-	-	-	-	-	-	-	-	-	-	-	-	-
	Curtain, roof—													
E.1	Long	-	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Short	-	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Tension, brake	-	-	-	-	-	-	-	-	-	2	2	2	2
E.1	Tie—	-	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Bottom	-	1	-	-	-	-	-	-	-	-	-	-	-
E.1	Top	-	2	-	-	-	-	-	-	-	-	-	-	-
E.1	Tipping	-	-	-	-	-	-	-	1	1	-	-	-	-
	Rollers—													
E.1	Floor	-	12	-	-	-	-	-	-	-	-	-	-	-
E.1	Scotch, 4-in.	-	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Water tank	-	-	-	-	-	-	-	-	-	-	-	-	-

APPENDIX 25

COMPONENTS, ACCESSORIES, SPARE PARTS
(FOR R.A., R.E. AND R. SIGNALS VEHICLES, *see*

Section No.	Description.	Number											
		Carriage, ambulance stretcher, collapsible, Mk. I.	Carts.										Water
			Ambulance, horse, Mk. II.	Hand, common, Mk. III.	Maltese.		Officers' Mess.		Tip, G.S.				
					Mk. V*.	Mk. VI.	Mk. I.	Mk. II.	Mk. II*.	Mk. III.	Mk. V*.	Mk. V**.	Mk. VI.
1	2	3	4	5	6	7	8	9	10	11	12	13	14
	<i>A.—Not demanded or accounted for separately.</i>												
	COMPONENTS—contd.												
E.1	Roofs	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Ropes—												
E.1	Lashing, with 7 hooks ...	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Wire—												
E.1	Brake	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Locking, under-carriage	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Screws, brake—												
E.1	No. 7	-	-	-	-	-	-	-	-	-	-	-	-
E.1	No. 8	-	-	-	-	-	-	-	-	-	-	-	-
E.1	No. 10	-	-	-	-	-	-	-	-	-	-	-	-
E.1	No. 12	-	-	-	-	-	-	-	-	-	1	1	1
E.1	No. 16	-	-	-	-	-	-	-	-	-	-	-	-
E.1	No. 21	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Seats and box, driver's	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Seats—		1										
E.1	Driver's	-	-	-	-	-	1	1	-	-	-	-	-
E.1	Fixed—												
E.1	Near	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Off	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Folding	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Near	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Off	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Side, fixed—												
E.1	Near	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Off	-	-	-	-	-	-	-	-	-	-	-	-
E.1	With back	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Shafts—												
E.1	Brake	-	-	-	-	-	-	-	-	-	1	1	1
E.1	Coupling brake bar ...	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Near	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Off	-	-	-	-	-	-	-	-	-	-	-	-
E.1	With fittings—												
E.1	No. 40	-	-	-	-	-	-	-	1	-	-	-	-
E.1	No. 40A	-	-	-	-	-	-	-	1	-	-	-	-
E.1	No. 49	-	-	-	-	-	-	-	1	-	-	-	-

AND WAGON EQUIPMENT OF VEHICLES
PART 2, SECTIONS X^A, XI, XII AND XIII^A)

[illegible]

APPENDIX 25

COMPONENTS, ACCESSORIES, SPARE PARTS
(FOR R.A., R.E. AND R. SIGNALS VEHICLES, *see*

		Number											
Section No.	Description.	Carriage, ambulance stretcher, collapsible, Mk. I.	Carts.										
			Ambulance, horse, Mk. II.	Hand, common, Mk. III.	Maltese.		Officers' Mess.		Tip, G.S.		Water		
					Mk. V*.	Mk. VI.	Mk. I.	Mk. II.	Mk. II*.	Mk. III.	Mk. V*.	Mk. V**.	Mk. VI.
1	2 A.—Not demanded or accounted for separately. COMPONENTS—contd. Shafts—contd. With fittings—contd.	3	4	5	6	7	8	9	10	11	12	13	14
E.1	No. 63	-	-	-	1	1	-	-	-	-	-	-	-
E.1	No. 64	-	-	-	1	1	-	-	-	-	-	-	-
E.1	No. 78	-	1	-	-	-	-	-	-	-	-	-	-
E.1	No. 79	-	1	-	-	-	-	-	-	-	-	-	-
E.1	No. 105	-	-	-	-	-	1	1	-	-	-	-	-
E.1	No. 106	-	-	-	-	-	1	1	-	-	-	-	-
	Shoes—	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Block, wood brake bar ...	-	-	-	-	-	-	-	-	-	2	2	2
E.1	Brake	-	-	-	-	-	-	-	-	-	-	-	-
	Brake block—												
E.1	Near	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Off	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Drag, No. 7B	-	-	-	-	-	-	-	1	-	-	-	-
	Sockets—												
E.1	Nib, pole	-	-	-	-	-	-	-	-	-	1	1	1
E.1	Outside lamp bracket ...	-	-	-	-	-	-	-	-	-	-	-	-
	Perch—												
E.1	Front	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Rear	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Pole	-	-	-	-	-	-	-	-	-	1	1	1
E.1	Whip	-	-	-	-	-	1	1	-	-	-	-	-
	Spanners—												
E.1	No. 184	-	1	-	1	1	1	1	1	1	1	1	1
P.2	No. 190	-	-	-	-	-	-	-	-	-	-	-	-
E.1	No. 293	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Spindles, brake	-	-	-	-	-	-	-	-	-	-	-	-
	Springs—												
	Balancing pole, Supplemen-												
	tary—												
E.1	Near	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Off	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Brake shoe lever	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Check	-	-	-	-	-	-	-	-	-	-	-	-

—continued

AND WAGON EQUIPMENT OF VEHICLES
PART 2, SECTIONS X^A, XI, XII AND XIII(A)

for each vehicle.

Tank.			Wagons.																	Remarks.
			Watering, special, Mk. I.			Kitchen, travelling.		Ambulance.			G.S.			Lim-bered, G.S.		Range, long, Mk. I.		Range, short, Mk. I.		
Mk. VI*.	Mk. VII.		Mk. I.	Mk. II.	Mk. V**.	Mk. VI.	Light, Mk. I.	Mk. IX.	Mk. X.	Mk. X*.	Mk. I.	Fore.	Hind.	Mk. II.						
15	16	17	18	19	20	21	22	23	24	25	26	27	28	29						
												</								

APPENDIX 25

COMPONENTS, ACCESSORIES, SPARE PARTS
(FOR R.A., R.E. AND R. SIGNALS VEHICLES, *see*

		Number											
Section No.	Description.	Carriage, ambulance stretcher, collapsible, Mk. I.	Carts.										
			Ambulance, horse, Mk. II.	Hand, common, Mk. III.	Maltese.		Officers' Mess.		Tip, G.S.		Water		
					Mk. V*.	Mk. VI.	Mk. I.	Mk. II.	Mk. II.*	Mk. III.	Mk. V*.	Mk. V**.	Mk. VI.
1	2 -	3	4	5	6	7	8	9	10	11	12	13	14
	<i>A.—Not demanded or accounted for separately.</i>												
	COMPONENTS—contd.												
	Springs—contd.												
E.1	Cross	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Fore	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Hind	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Draught	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Fore... ..	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Hind	-	-	-	-	-	-	-	-	-	-	-	-
E.1	No. 2 relief valve	-	-	-	-	-	-	-	-	-	2	2	2
E.1	Releasing brake	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Seat	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Side	-	-	-	-	-	2	2	-	-	-	-	-
E.1	Fore	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Hind	-	-	-	-	-	-	-	-	-	-	-	-
	Standards—												
	Net rail—												
E.1	Front	-	-	-	-	-	-	-	-	-	-	-	-
	Rear—												
E.1	Centre	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Side	-	-	-	-	-	-	-	-	-	-	-	-
	Roof—												
E.1	Plain	-	-	-	-	-	-	-	-	-	-	-	-
E.1	With stop collar	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Side... ..	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Front	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Rear	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Under-carriage	-	-	-	-	-	-	-	-	-	-	-	-
	Staples—												
	Clip, axletree—												
E.1	Fore	-	-	-	-	-	-	-	-	-	-	-	-
	Hind—												
E.1	Long	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Short	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Clip, Centre perch stay	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Fore axletree	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Hind axletree	-	-	-	-	-	-	-	-	-	-	-	-

AND WAGON EQUIPMENT OF VEHICLES
PART 2, SECTIONS X^A, XI, XII AND XIII^A)

[illegible]

APPENDIX 25

COMPONENTS, ACCESSORIES, SPARE PARTS
(FOR R.A., R.E. AND R. SIGNALS VEHICLES, see

Section No.	Description.	Number											
		Carriage, ambulance stretcher, collapsible, Mk. I.	Carts.									Water	
			Ambulance, horse, Mk. II.	Hand, common, Mk. III.	Maltese.		Officers' Mess.		Tip, G.S.				
					Mk. V*.	Mk. VI.	Mk. I.	Mk. II.	Mk. II*.	Mk. III.	Mk. V*.		
1	2	3	4	5	6	7	8	9	10	11	12	13	14
	<i>A.—Not demanded or accounted for separately.</i>												
	<i>COMPONENTS.—contd.</i>												
	<i>Staples—contd.</i>												
	Clip—												
E.1	Limber hook stay ...	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Pole and perch staples ...	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Stay, perch ...	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Tackle bar ...	-	2	-	-	-	-	-	-	-	-	-	-
E.1	Wheel plate bracket ...	-	-	-	-	-	-	-	-	-	-	-	-
	<i>Stays—</i>												
	Axletree—												
	Fore—												
E.1	Near ...	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Off ...	-	-	-	-	-	-	-	-	-	-	-	-
	Hind—												
E.1	Near ...	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Off ...	-	-	-	-	-	-	-	-	-	-	-	-
	Angle, inner	-	-	-	-	-	-	-	-	-	-	-	-
	Front—												
E.1	Near ...	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Off ...	-	-	-	-	-	-	-	-	-	-	-	-
	Brake shaft—												
E.1	Near ...	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Off ...	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Crossbar ...	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Cross, seat ...	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Diagonal, draw-off pipe ...	-	-	-	-	-	-	-	-	-	1	1	1
E.1	Door ...	-	2	-	-	-	-	-	-	-	-	-	-
E.1	Footboard ...	-	-	-	-	-	-	-	-	-	-	-	-
	Handle bracket—												
E.1	Near ...	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Off ...	-	-	-	-	-	-	-	-	-	-	-	-
	Nib, side—												
E.1	Near ...	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Off ...	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Perch ...	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Perch, centre ...	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Pole nib socket ...	-	-	-	-	-	-	-	-	-	-	-	-

APPENDIX 25

COMPONENTS, ACCESSORIES, SPARE PARTS
(FOR R.A., R.E. AND R. SIGNALS VEHICLES, *see*

		Number												
Section No.	Description.	Carriage, ambulance stretcher, collapsible, Mk. I.	Carts.										Water	
			Ambulance, horse, Mk. II.	Hand, common, Mk. III.	Maltese.		Officers' Mess.		Tip, G.S.					
					Mk. V*.	Mk. VI.	Mk. I.	Mk. II.	Mk. II*.	Mk. III.	Mk. V*.	Mk. V**.	Mk. VI.	
			1	2	3	4	5	6	7	8	9	10	11	12
	<i>A.—Not demanded or accounted for separately.</i>													
	<i>COMPONENTS—contd.</i>													
	<i>Stays—contd.</i>													
	Pump—													
E.1	Near	-	-	-	-	-	-	-	-	-	1	1	1	
E.1	Off	-	-	-	-	-	-	-	-	-	1	1	1	
	Rave—													
E.1	Front and rear	-	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Intermediate	-	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Rear bracket supporting spare pole	-	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Rear lid	-	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Side	-	-	-	-	-	-	-	2	2	-	-	-	-
E.1	Side centre	-	-	-	-	-	-	-	-	-	-	-	-	-
	Steadying draw-off pipe—													
E.1	Near	-	-	-	-	-	-	-	-	-	1	1	1	
E.1	Off	-	-	-	-	-	-	-	-	-	1	1	1	
	Supporting draw-off pipe—													
	Inner—													
E.1	Near	-	-	-	-	-	-	-	-	-	1	1	1	
E.1	Off	-	-	-	-	-	-	-	-	-	1	1	1	
	Outer—													
E.1	Near	-	-	-	-	-	-	-	-	-	1	1	1	
E.1	Off	-	-	-	-	-	-	-	-	-	1	1	1	
	Steps—													
E.1	Front	-	-	-	-	-	1	1	-	-	-	-	-	-
E.1	Near	-	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Off	-	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Rear	-	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Splinter bar	-	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Upper	-	-	-	-	-	-	-	-	-	-	-	-	-
	Stops—													
	Check, draught pole—													
E.1	No. 1	-	-	-	-	-	-	-	-	-	-	-	-	-
E.1	No. 2	-	-	-	-	-	-	-	-	-	-	-	-	-
E.1	No. 7	-	-	-	-	-	-	-	-	-	-	-	-	-
E.1	No. 9	-	-	-	-	-	-	-	-	-	-	-	-	-
E.1	No. 10	-	-	-	-	-	-	-	-	-	-	-	-	-

—continued

AND WAGON EQUIPMENT OF VEHICLES

PART 2, SECTIONS X^A, XI, XII AND XIII^A)

for each vehicle.

[illegible]

APPENDIX 25

COMPONENTS, ACCESSORIES, SPARE PARTS
(FOR R.A., R.E. AND R. SIGNALS VEHICLES, *see*

Section No.	Description.	Number											
		Carriage, ambulance stretcher, collapsible, Mk. I.	Carts.										Water
			Ambulance, horse, Mk. II.	Hand, common, Mk. III.	Maltese.		Officers' Mess.		Tip, G.S.				
					Mk. V*.	Mk. VI.	Mk. I.	Mk. II.	Mk. II*.	Mk. III.	Mk. V*.	Mk. V**.	Mk. VI.
1	2	3	4	5	6	7	8	9	10	11	12	13	14
	<i>A.—Not demanded or accounted for separately.</i>												
	COMPONENTS—contd.												
	Stops—contd.												
E.1	Tailboard	-	-	-	-	-	-	-	-	-	-	-	-
	Straps—												
E.1	Front and rear rave stays	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Guard	-	-	-	-	-	-	-	-	-	-	-	-
M.3	Securing (a) ... sets	-	-	-	1	1	1	1	-	-	1	1	1
	Securing—												
M.3	$\frac{3}{4}$ -in. $\times$ 43-in.	1	-	-	-	-	-	-	-	-	-	-	-
M.3	1-in. $\times$ 10-in.	-	-	-	-	-	-	-	4	4	-	-	-
M.3	1-in. $\times$ 18-in.	-	-	1	-	-	-	-	-	-	-	-	-
M.3	1-in. $\times$ 26-in.	-	-	1	-	-	-	-	1	1	-	-	-
E.1	Strainers , hose app., filtering	-	-	-	-	-	-	-	-	-	2	2	2
K	Stretchers , ambulance	-	-	-	-	-	-	-	-	-	-	-	-
	Studs—												
E.1	Cotter firebox	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Fixing axletree	-	-	-	-	-	-	-	-	-	4	4	4
E.1	Loop, tension rod	-	-	-	-	-	-	-	-	-	2	-	-
	Swingletrees—												
E.1	No. 11	-	1	-	2	2	-	-	-	-	-	-	-
E.1	No. 13	-	-	-	-	-	1	1	-	-	2	2	2
E.1	Tanks	-	-	-	-	-	-	-	-	-	1	1	1
E.1	Taps , water, small, No. 3	-	-	-	-	-	-	-	-	-	4	4	4
E.1	Ties , lynch pin	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Valves , relief, No. 2 ...	-	-	-	-	-	-	-	-	-	2	2	2
	Washers—												
	Drag—												
E.1	3rd class, "A"	-	-	2	-	-	-	-	-	-	-	-	-
	Wheels—												
E.1	Hand, lever, brake	-	-	-	-	-	-	-	-	-	-	-	-
E.1	2nd class, "A"—	-	-	-	-	-	-	-	-	-	-	-	-
E.1	No. 16	-	-	-	-	-	-	-	-	-	-	-	-
E.1	2nd class, "C"—	-	-	-	-	-	-	-	-	-	-	-	-
E.1	No. 200A	-	2	-	-	-	-	-	-	-	2	2	2

—continued

AND WAGON EQUIPMENT OF VEHICLES
PART 2, SECTIONS X^A, XI, XII AND XIII^A)

for each vehicle.

Tank.		Watering, special, Mk. I.	Kitchen, travelling.		Wagons.														Remarks.
					Ambulance.			G.S.			Lim- bered, G.S.		Range, long, Mk. I.	Range, short, Mk. I.					
											Fore.	Hind.							
Mk. VI*.	Mk. VII.		Mk. I.	Mk. II.	Mk. V**.	Mk. VI.	Light, Mk. I.	Mk. IX.	Mk. X.	Mk. X*.	Mk. I.	Mk. II.							
15	16	17	18	19	20	21	22	23	24	25	26	27	28	29					
-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-				
-	-	-	-	-	-	-	-	-	4	4	-	-	-	-	-				
1	1	-	1	1	1	1	1	1	1	1	1	1	-	-	-	(a) See Inventory Forms.			
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	For securing carriage folded.			
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Two for spanner and two for			
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	For props. [props.			
2	2	-	-	-	4	4	2	-	-	-	-	-	2	2	-	For grease boxes.			
-	4	-	4	4	-	-	-	-	-	-	-	-	-	-	-				
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
2	2	-	-	-	2	2	2	2	2	2	2	-	-	-	-				
1	1	-	-	-	1	1	1	-	-	-	-	-	-	-	-				
4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
2	2	-	-	-	2	-	-	-	-	-	-	-	-	-	-				
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-				
-	-	-	-	-	-	-	-	-	-	-	-	-	4	4	-				
2	2	-	-	-	-	-	-	2	2	2	2	2	-	-	-				

APPENDIX 25

COMPONENTS, ACCESSORIES, SPARE PARTS
(FOR R.A., R.E. AND R. SIGNALS VEHICLES, *see*

Section No.	Description.	Number											
		Carriage, ambulance stretcher, collapsible, Mk. I.	Carts.										Water
			Ambulance, horse, Mk. II.	Hand, common, Mk. III.	Maltese.		Officers' Mess.		Tip, G.S.				
					Mk. V*.	Mk. VI.	Mk. I.	Mk. II.	Mk. II*.	Mk. III.	Mk. V*.	Mk. V**.	Mk. VI.
1	2	3	4	5	6	7	8	9	10	11	12	13	14
	<i>A.—Not demanded or accounted for separately.</i>												
	<i>COMPONENTS—contd.</i>												
	<i>Wheels—contd.</i>												
	2nd class, "C"—												
E.1	No. 204	—	—	—	—	—	—	—	—	—	—	—	—
E.1	No. 206	—	—	—	—	—	—	—	—	—	—	—	—
	3rd class, "A"—												
E.1	No. 139	—	—	2	—	—	—	—	—	—	—	—	—
	3rd class, "B"—												
E.1	No. 46	—	—	—	—	—	—	—	—	—	—	—	—
E.1	No. 48	—	—	—	—	—	—	—	—	—	—	—	—
E.1	No. 144 or 165	—	—	—	—	—	—	—	—	—	—	—	—
E.1	No. 145	—	—	—	—	—	—	—	2	2	—	—	—
E.1	No. 158	—	—	—	2	2	2	2	—	—	—	—	—
E.1	No. 159A	—	—	—	—	—	—	—	—	—	—	—	—
E.1	No. 175	—	—	—	—	—	—	—	—	—	—	2	—
E.1	No. 176	—	—	—	—	—	—	—	—	—	—	2	—
E.1	Special, No. 94(a) ...	2	—	—	—	—	—	—	—	—	—	—	—

—continued

AND WAGON EQUIPMENT OF VEHICLES

PART 2, SECTIONS X^A, XI, XII AND XIII^A)

for each vehicle.

for each vehicle.																	Remarks.
Tank			Wagons.														
			Watering, special, Mk. I.		Kitchen, travelling.		Ambulance.		G.S.			Limbered, G.S.		Range, long, Mk. I.		Range, short, Mk. I.	
Mk. VI*.	Mk. VII.		Mk. I.	Mk. II.	Mk. V**.	Mk. VI.	Light, Mk. I.	Mk. IX.	Mk. X.	Mk. X*.	Mk. I.	Mk. II.	Fore.	Hind.			
15	16	17	18	19	20	21	22	23	24	25	26	27	28	29			
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
1	1	1	1	1	1	1	1	1	1	1	1	1					

APPENDIX 25

COMPONENTS, ACCESSORIES, SPARE PARTS
(FOR R.A., R.E. AND R. SIGNALS VEHICLES, see

		Number											
Section No.	Description.	Carts.											
		Carriage, ambulance stretcher, collapsible, Mk. I.	Ambulance, horse, Mk. II.	Hand, common, Mk. III.	Maltese.		Officers' Mess.		Tip, G.S.		Water		
					Mk. V*.	Mk. VI.	Mk. I.*	Mk. II.	Mk. II*.	Mk. III.	Mk. V*.	Mk. V**.	Mk. VI.
1	2	3	4	5	6	7	8	9	10	11	12	13	14
	<i>A.—Not demanded or accounted for separately.</i>												
	<i>ACCESSORIES.</i>												
E.1	Adapters, valve, tyre pump	(a)	-	-	-	-	-	-	-	-	-	-	-
E.1	Kettles, sterilizing, app., filter- ing	-	-	-	-	-	-	-	-	-	1	1	1
E.1	Mats, floor	-	1	-	-	-	-	-	-	-	-	-	-
E.1	Slings, horse, cart, ambulance	-	1	-	-	-	-	-	-	-	-	-	-
	<i>B.—Demanded and accounted for separately.</i>												
	<i>1.—ACCESSORIES.</i>												
E.1	Bars, coupling, engine draught, No. 1	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Blocks, distance	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Chains, drag shoe, No. 21 ...	-	-	-	-	-	-	-	-	-	-	-	-
E.1	" " No. 22	-	-	-	-	-	-	-	-	-	-	-	-
E.1	" " No. 35	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Connectors, engine draught, No. 6	-	-	-	-	-	-	-	-	-	-	-	-
	<i>Covers—</i>												
E.1	Adjustable, G.S. wagons ...	-	-	-	-	-	-	-	-	-	-	-	-
	<i>Cart—</i>												
E.1	Maltese	-	-	-	1	1	-	-	-	-	-	-	-
E.1	Tip, G.S.	-	-	-	-	-	-	-	1	-	-	-	-
E.1	Short rifle	-	-	-	(e)	(e)	(e)	(e)	-	-	(e)	(e)	(e)
	<i>Wagon—</i>												
E.1	Ambulance	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Limbered, G.S.	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Guides, engine draught con- nector, No. 1	-	-	-	-	-	-	-	-	-	-	-	-
	<i>Hoops, bale—</i>												
E.1	Wagon ambulance, Mk. V** (set of 6)	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Holders, lamp, wagon, lim- bered, G.S. and travelling kitchen	-	-	-	-	-	-	-	-	-	-	-	-

AND WAGON EQUIPMENT OF VEHICLES
PART 2, SECTIONS X^A, XI, XII AND XIII^A)

[illegible]

APPENDIX 25

COMPONENTS, ACCESSORIES, SPARE PARTS
(FOR R.A., R.E. AND R. SIGNALS VEHICLES,

Section No.	Description.	Number											
		Carriage, ambulance stretcher, collapsible, Mk. I.	Carts.									Water	
			Ambulance, horse, Mk. II.	Hand, common, Mk. III.	Maltese.		Officers' Mess.		Tip, G.S.				
					Mk. V*.	Mk. VI.	Mk. I.	Mk. II.	Mk. II*.	Mk. III.	Mk. V*.		
1	2	3	4	5	6	7	8	9	10	11	12	13	14
	<i>B.—Demanded and accounted for separately.</i>												
	<i>1.—ACCESSORIES—contd.</i>												
	Lamps, vehicle—												
E.1	Left hand	—	—	—	—	—	—	—	—	—	—	—	—
E.1	Rear	—	1	—	1	1	—	1	1	1	1	1	1
E.1	Right hand... ..	—	—	—	1	1	1	1	—	—	—	—	—
E.1	Lashings, white, 1-in., 32 ft.	—	—	—	—	—	—	—	—	—	—	—	—
E.1	Levers, tyre, motor-cycle ...	2 (a)	—	—	—	—	—	—	—	—	—	—	—
E.1	Measures, clarifying powder, 83 grains	—	—	—	—	—	—	—	—	—	1	1	1
C.2	Outfits, repairing tyres	1	—	—	—	—	—	—	—	—	—	—	—
C.2	Pumps, bicycle	1 (b)	—	—	—	—	—	—	—	—	—	—	—
E.1	Shoe, drag, No. 10	—	—	—	—	—	—	—	—	—	—	—	—
	Spanners—												
E.1	Adjustable, 7-in.	1	—	—	—	—	—	—	—	—	—	—	—
M.3	No. 93	—	—	—	—	—	—	—	—	—	—	—	—
E.1	Tools, inserting rubber tyre...	—	—	—	—	—	—	—	—	—	—	—	—
	2.—SPARE PARTS												
E.1	Bearers, boiler, kitchen, travelling (c)	—	—	—	—	—	—	—	—	—	—	—	—
	Blocks, brake—												
M.3	Field and transport	—	—	—	—	—	—	—	—	—	2	2	2
E.1	Wagons, ambulance, Mk. VI and light	—	—	—	—	—	—	—	—	—	—	—	—
E.1	Bolts, connecting, Nos. 21 and 34 brake screws...	—	—	—	—	—	—	—	—	—	—	—	—
	Collars—												
	Adjusting—(g)												
E.1	2nd class, "C" capped wheels	—	1	—	—	—	—	—	—	—	1	1	1
E.1	3rd class, "B" capped wheels	—	—	—	1	—	—	—	—	—	—	—	—
E.1	Cylinder, cover bolts, app., filtering	—	—	—	—	—	—	—	—	—	2	2	2
E.1	Covers, clarifying reel, app., filtering	—	—	—	—	—	—	—	—	—	2	2	2
E.1	Gratings, kitchen, travelling (2 to a set) sets	—	—	—	—	—	—	—	—	—	—	—	—

AND WAGON EQUIPMENT OF VEHICLES
see PART 2, SECTIONS X^A, XI, XII AND XIII^A)

[illegible]

APPENDIX 25

COMPONENTS, ACCESSORIES, SPARE PARTS
(FOR R.A., R.E. AND R. SIGNALS VEHICLES, *see*

Section No.	Description.	Number													
		Carriage, ambulance stretcher, collapsible, Mk. I.	Carts.										Water		
			Ambulance, horse, Mk. II.	Hand, common, Mk. III.	Maltese.		Officers' Mess.		Tip, G.S.						
					Mk. V*.	Mk. VI.	Mk. I.	Mk. II.	Mk. II*.	Mk. III.	Mk. V*.	Mk. V**.			Mk. VI.
1	2	3	4	5	6	7	8	9	10	11	12	13	14		
	<i>B.—Demanded and accounted for separately.</i>														
	<i>2.—SPARE PARTS—contd.</i>														
	Keys, split, flat—														
E.1	$\frac{1}{2}$ -in. $\times$ 3-in. ...	-	2	-	-	-	-	-	-	-	-	-	-	-	
E.1	$\frac{3}{4}$ -in. $\times$ 3 $\frac{1}{2}$ -in. ...	-	-	-	-	-	-	-	1	1	-	-	-	-	
E.1	Lashings, white, 1-in., 32-ft.	-	-	-	-	-	-	-	-	-	-	-	-	-	
E.1	Lubricators, No. 94, special wheel ...	1	-	-	-	-	-	-	-	-	-	-	-	-	
	Nuts—														
G.1	Hexagon, $\frac{5}{8}$-in. ...	1	-	-	-	-	-	-	-	-	-	-	-	-	
	Hexagon, castellated—														
E.1	$\frac{1}{2}$ -in. ...	1	-	-	-	-	-	-	-	-	-	-	-	-	
E.1	$\frac{3}{4}$ -in. ...	1	-	-	-	-	-	-	-	-	-	-	-	-	
E.1	Wing, cylinder cover bolts, app., filtering ...	-	-	-	-	-	-	-	-	-	2	2	2		
	Packings, differential, pump—														
E.1	Rings, L-section ... set	-	-	-	-	-	-	-	-	-	1	1	1		
E.1	Washers ... set	-	-	-	-	-	-	-	-	-	1	1	1		
	Pins, linch—														
E.1	3rd class ...	-	-	1	-	-	-	-	-	-	-	-	-	-	
E.1	2nd class, "C" capped wheels (a) ...	-	1	-	-	-	-	-	-	-	1	1	1		
E.1	3rd class, "B" capped wheels (a) ...	-	-	-	1	1	1	1	1	1	-	-	-	-	
E.1	With treadplate B ...	-	-	-	-	-	-	-	-	-	-	-	-	-	
E.1	Plates, anti-splash, kitchen, travelling, boilers ...	-	-	-	-	-	-	-	-	-	-	-	-	-	
E.1	Rakes, fire, kitchen, travelling	-	-	-	-	-	-	-	-	-	-	-	-	-	
E.1	Reels, clarifying apparatus, filtering ...	-	-	-	-	-	-	-	-	-	2	2	2		
E.1	Rings, clarifying reel ...	-	-	-	-	-	-	-	-	-	6	6	6		
	Swingletrees—														
E.1	No. 11 ...	-	-	-	-	-	-	-	-	-	-	-	-	-	
E.1	No. 13 ...	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Taps, water, small, No. 3 ...	-	-	-	-	-	-	-	-	-	1	1	1		
	Washers—														
E.1	Cap, drain hole ...	-	-	-	-	-	-	-	-	-	2	2	2		

TRUCK AND WAGON EQUIPMENT OF VEHICLES

PART 2, SECTIONS X^A, XI, XII AND XIII^A)

[illegible]

(a) This allowance is for Artillery units only. For other units the allowance will be as follows:—

For peace—Nil.

For war—Two

For war—Two sets (2 collars, 2 pins and 2 washers) each unit having four or more vehicles on charge fitted with these wheels. One set each unit having less than four vehicles.

(b) 1 each unit. Carried in No. 2, G.S., limbered wagon of the Baggage Section of train for infantry battalions. (War only.)

APPENDIX 25

COMPONENTS, ACCESSORIES, SPARE PARTS
(FOR R.A., R.E. AND R. SIGNALS VEHICLES, see

Section No.	Description.	Number												
		Carriage, ambulance stretcher, collapsible, Mk. I.	Carts.											
			Ambulance, horse, Mk. II.	Hand, common, Mk. III.	Maltese.		Officers' Mess.		Tip, G.S.		Water			
					Mk. V*.	Mk. VI.	Mk. I.	Mk. II.	Mk. II*.	Mk. III.	Mk. V*.	Mk. V**.	Mk. VI.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	
	<i>B.—Demanded and accounted for separately.</i>													
	<i>2.—SPARE PARTS—contd.</i>													
	<i>Washers—contd.</i>													
E.1	Cylinder cover, clarifying filter	-	-	-	-	-	-	-	-	-	2	2	2	
	Drag—													
E.1	3rd class, "A"	-	-	1	-	-	-	-	-	-	-	-	-	-
E.1	3rd class, "B"	-	-	-	-	-	-	-	-	-	-	-	-	-
E.1	2nd class, "C" capped wheels (a)	-	1	-	-	-	-	-	-	-	1	1	1	
E.1	3rd class, "B" capped wheels (a)	-	-	-	1	1	1	1	1	1	-	-	-	-
E.1	Union, $\frac{1}{2}$ -in. hose	-	-	-	-	-	-	-	-	-	8	8	8	
	<i>MATERIALS FOR REPAIR.</i>													
H.2	Twine, packing, middling (8- oz. balls) balls	-	-	-	-	-	-	-	-	-	1	1	1	
	<i>3.—CART AND WAGON EQUIPMENT.</i>													
	<i>Axes—</i>													
J	Felling	-	-	-	1	1	1	1	-	-	-	-	-	-
F	Hand, 3-lb.	-	-	-	-	-	-	-	-	-	-	-	-	-
	Pick, $4\frac{1}{2}$ -lb.—													
J	Heads	-	-	-	1	1	-	-	-	-	1	1	1	
J	Helves	-	-	-	1	1	-	-	-	-	1	1	1	
K	Blankets, brown, single	-	-	-	-	-	-	-	-	-	-	-	-	-
K	Boards, inventory, Mk. II	-	-	-	1	1	1	1	-	-	1	1	1	
E.1	Boxes, candle, vehicle	-	-	-	-	-	1	1	-	-	-	-	-	-
	<i>Brushes—</i>													
E.1	Cleaning, tank, water carts	-	-	-	-	-	-	-	-	-	1	1	1	
L	Flue, 4-ft. 3-in.	-	-	-	-	-	-	-	-	-	-	-	-	-
L	Scrub, hand, union	-	-	-	-	-	-	-	-	-	-	-	-	-
E.1	Water, carriage	-	-	-	1	1	1	1	-	-	1	1	1	
L	Nail or Laundry large	-	-	-	-	-	-	-	-	-	1	1	1	
J	Buckets, water, canvas, Mk. V	-	-	-	1	1	1	1	-	-	1	1	1	
H.2	Cordage, spun, yarn, hemp, tarred, 3-thread ... lb.	-	-	-	5	5	5	5	-	-	5	5	5	
H.1	Grease (b)	-	-	3	3	3	3	3	3	3	3	3	3	

—continued

AND WAGON EQUIPMENT OF VEHICLES
PART 2, SECTIONS XA, XI, XII AND XIII(A)

for each vehicle.

Tank.		Wagons.																Remarks.
		Watering, special, Mk. I.	Kitchen, travelling.		Ambulance.	G.S.			Limbered, G.S.		Range, long, Mk. I.	Range, short, Mk. I.						
			Mk. I.	Mk. II.		Mk. V**.	Mk. VI.	Light, Mk. I.	Mk. IX.	Mk. X.			Mk. X*.	Fore.	Hind.			
Mk. VI*.	Mk. VII.																	
15	16	17	18	19	20	21	22	23	24	25	26	27	28	29				
2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
1	1	-	1	1	-	-	-	1	1	1	1	-	-	-	-	-	-	-
-	-	-	-	-	1	-	1	1	1	1	-	-	-	-	-	-	-	-
8	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	1	1	-	-	-	1	1	1	-	-	-	-	-	-	-	-
-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	8	8	4	-	-	-	-	-	-	-	-	-	-	-
1	1	-	-	-	1	1	1	1	1	1	1	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1	1	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1	1	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	6	6	2	2	2	2	2	2	2	-	-	-	-	-	-	-
5	5	-	5	5	5	5	5	5	5	5	5	-	-	-	-	-	-	-
3	3	3	6	6	6	6	6	6	6	6	3	3	-	-	-	-	-	-

(a) This allowance is for Artillery units only. For other units the allowance will be as follows:—
For peace—Nil.
For war—Two sets (2 collars, 2 pins and 2 washers) each unit having four or more vehicles on charge fitted with these wheels. One set each unit having less than four vehicles.

(b) Annual supply for vehicles on peace charge.

APPENDIX 25

COMPONENTS, ACCESSORIES, SPARE PARTS
(FOR R.A., R.E. AND R. SIGNALS VEHICLES, *see*

Section No.	Description.	Number											
		Carriage, ambulance stretcher, collapsible, Mk. I.	Carts.										
			Ambulance, horse, Mk. II.	Hand, common, Mk. III.	Maltese.		Officers' Mess.		Tip, G.S.		Water		
					Mk. V*.	Mk. VI.	Mk. I.	Mk. II.	Mk. II*.	Mk. III.	Mk. V*.	Mk. V**.	Mk. VI.
1	2 <i>B.—Demanded and accounted for separately.</i> 3.— CART AND WAGON EQUIPMENT—contd.	3	4	5	6	7	8	9	10	11	12	13	14
	Hammers—												
F	Carpenters', claw, 1-lb. 8-oz.	-	-	-	-	-	1	1	-	-	-	-	-
F	Carpenters', Warrington pattern, 8-oz. ...	-	-	-	-	-	-	-	-	-	-	-	-
J	Hooks, bill ...	-	-	-	1	1	1	1	-	-	-	-	-
L	Lamps, hurricane ...	-	-	-	-	-	-	-	-	-	-	-	-
J	Tent components, line, hemp, 4-std., $\frac{1}{2}$ -in. (a) ... oz.	-	-	-	-	-	-	-	-	-	-	-	-
NIV	Rags, linen or cotton, old lb.	-	-	-	-	-	-	-	-	-	-	-	-
F	Pincers, carpenters' ...	-	-	-	-	-	1	1	-	-	-	-	-
	Powder—												
	Bleaching (b) ... lb.	-	-	-	-	-	-	-	-	-	2 $\frac{1}{2}$	2 $\frac{1}{2}$	2 $\frac{1}{2}$
	Clarifying (b) ...	-	-	-	-	-	-	-	-	-	9	9	9
M.3	Ropes, drag, light, G.S. pairs	-	-	-	1	1	-	-	-	-	1	1	1
F	Screwdrivers, Cabinet, 6-in. ...	-	-	-	-	-	1	1	-	-	-	-	-
	Shovels—												
L	Coal, large ...	-	-	-	-	-	-	-	-	-	-	-	-
J	G.S. ...	-	-	-	2	2	-	-	-	-	1	1	1
	Spanners—												
F	Adjustable, 11-in. ...	-	-	-	-	-	-	-	-	-	1	1	1
	Double-ended—												
F	$\frac{1}{2}$ -in. and $\frac{1}{2}$ -in. ...	-	-	-	1	1	-	-	-	-	-	-	-
F	$\frac{1}{2}$ -in. and $\frac{1}{2}$ -in. ...	-	-	-	1	1	-	-	-	-	-	-	-
F	$\frac{1}{2}$ -in. and 1-in. (c) ...	-	-	-	-	-	-	-	-	-	-	-	-
E.1	No. 287 ...	-	-	-	-	-	-	-	-	-	1	1	1
E.3	Tackles, differential, 10-cwt. Mk. I. ...	-	2	-	-	-	-	-	-	-	-	-	-
D.2	Valises, horseshoe, Mk. II ...	-	-	-	1	1	-	-	-	-	1	1	1

AND WAGON EQUIPMENT OF VEHICLES
PART 2, SECTIONS X^A, XI, XII AND XIII^A)

Tank.			Watering, special, Mk. I.	Kitchen, travelling.		Wagons.										Remarks.
						Ambulance.			G.S.			Limbered, G.S.		Range, long, Mk. I.	Range, short, Mk. I.	
Mk. VI*.	Mk. VII.		Mk. I.	Mk. II.	Mk. V**.	Mk. VI.	Light, Mk. I.	Mk. IX.	Mk. X.	Mk. X*.	Mk. I.	Mk. II.	Fore.			Hind.
15	16	17	18	19	20	21	22	23	24	25	26	27	28	29		
-	-	-	1	1	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	1	1	1	-	-	-	-	-	-	-		
-	-	-	1	1	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	6	6	6	-	-	-	-	-	-	-		
-	-	-	4	4	-	-	-	-	-	-	1	-	-	-		
-	-	-	1	1	-	-	-	-	-	-	-	-	-	-		
24	24	-	-	-	-	-	-	-	-	-	-	-	-	-		
9	9	-	-	-	-	-	-	-	-	-	-	-	-	-		
1	1	-	1	1	-	-	-	1	1	1	1	-	-	-		
-	-	-	1	1	-	-	-	-	-	-	1	-	-	-		
-	-	-	-	-	-	-	-	2	2	2	-	-	-	-		
1	1	-	-	-	-	-	-	-	-	-	-	-	-	-		
1	1	1	1	1	1	1	1	-	-	-	1	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	1	1	-	-	-	-		
1	1	-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	1	1	1	1	1	1	1	1	-	-	-	-		

APPENDIX 26

(Referred to in paras. 290, 294 and 295, and in Appendix 2)

PROVISIONAL PEACE SCALE OF OUTFITS FOR M.T. VEHICLES

N.B.—In the following tables the descriptions of items have been shortened in many cases, but units will in all cases in preparing indents adhere strictly to the latest vocabulary nomenclature and, where requisite, show on indents full information as to size, make, type, voltage, etc., of the item indented for (*see* also paras. 2 and 26).

TABLE 1.—Motor Cycles and Side-car Combinations

(See note at head of Appendix)

Description.	Motor Cycle.	Side-car.
M. T. SUPPLY.		
<i>Section No. 1</i>		
Bags, tool, side, armoured (c) (f)	2	—
Case, leather, pneumatic tube	1	—
Gun, grease (ah)	1	—
Holders, licence (ab)	1	—
Padlock, with chain	1	—
Pump, motor-cycle (with clips) (c)	1	—
Squirts, oil (or can)	1	—
Straps, carrier	2	—
<i>Section No. 2</i>		
Extractor, chains, rivet	1	—
Kits, tool, motor-cycle, W.D. standard ... set (s)	1	—
„ tool, motor cycle, makers' special tools (sets) (t)	1	—
Levers, pneumatic tyre	3	—
<i>Section No. 3</i>		
Horns (g)	1	—
Lamps, Head, electric	1	—
„ Side, electric	—	1
„ Tail, electric	1	—
<i>Section No. 4</i>		
Accumulators sets	1	—
Box, tin (for 2 spare bulbs)	1	—
Bulbs (spare)	2	—
Plugs, sparking (spare)	1	—

TABLE 1.—*continued*

Description.	Motor Cycle.	Side- car.
<i>Section No. 6</i>		
Grips, knee, prs.	1	—
Outfits (pneumatic tyre repair)	1	—
<i>Section No. 8</i>		
Spanners, magneto (h)	2	—
<i>Section No. 11</i>		
Links, driving chain	2	—
<i>Section No. 13</i>		
Cushions sets	—	1
Covers, apron, for body	—	1
Mat, side-car	—	1
Wind-screen, side-car	—	1
<i>Section No. 14</i>		
Tubes, pneumatic tyre (spare)	1	—
Vehicle, log sheet file, A.B.5 (aq)	1	—

TABLE 2.—Steam Tractors and Wagons only
(See note at head of Appendix)

Description.	Steam Tractor.	5-ton Steam Wagon.
<i>Section E.1</i>		
Covers, short rifle, Mk. II* or III	1 (ad)	1 (ad)
Lashings, tarred, 1½-in., 30 ft.	1	2
<i>Section G.1</i>		
Padlocks, iron, galvanized, 2-in.	(a)	(a)
<i>Section H.1</i>		
Bottles, tin, oil, 1-gall.	1	2
„ tin, oil, 2-gall.	1	—
<i>Section L</i>		
Pails, I.G., 3-gall.	1	1
M.T. SUPPLY.		
<i>Section No. 1</i>		
Bracket, fire extinguisher	1	1
Brushes, engine cleaning	1	1
Cans, oil, lubricating, forced feed, 1-pint	1	1
Covers, waterproof, lorry (f)	1	1
Extinguishers, fire (tetrachloride type)	1	1
Funnels, oval, oil, 6-in.	1	1
Glasses, gauges—		
Boiler, with rings, rubber (spare)	1	1
Water level (Klinger) (spare)	1	1
Holders, licence (ab)	1	1
Jacks, with handle lever or tommy bar (j)	1	1
Plugs, fusible	1	1
Scotch, lorry, complete	2	1
Shackles, ½-in.	1	—
Tins, grease	1	1
„ carbide... ..	1	1
<i>Section No. 2</i>		
Brushes, boiler tube—		
Head	1	1
Handle	1	1
Kits, tool, steam vehicles, W.D. standard set (s)	1	1
„ steam vehicles, makers' special tools set (t)	1	1
Pins, drawbar with cotter	1	1 (c)
Pokers, fire	1	1
Rakes, clinker	1	1
„ coal	1	1
„ mud	1	1
Rods, tank (v)	1	1
Spanners, fusible plug	1	1
Shovels, clinker	1	1
„ fire	1	1
Tools, caulking (v)	2	2

TABLE 2.—*continued*

Description.	Steam Tractor.	5-ton Steam Wagon.
<i>Section No. 3</i>		
Horns , mechanical (or bell alarm)	1	1
Lamps , head, acetylene (with generator and necessary tubing)	2	2
,, side, oil	2	2
,, tail, oil	1	1
Mirrors , driving	1	1
<i>Section No. 9</i>		
Hose , suction, with couplings, 32-ft.	1	1
Keys , for union, suction hose	1	1
<i>Section No. 11</i>		
Chains , non-skid sets (j)	—	1
Ropes or chains, towing	1	1
<i>Section No. 13</i>		
Cushions sets	1	1
<i>M.T., N.V.S.</i>		
Spikes or spuds, front sets	1	—
Vehicle , log sheet file, A.B.5 (aq)	1	1

PROVISIONAL PEACE SCALE OF OUTFITS AUTHO

TABLE 3.—Four and Six-

(See note at head)

NOTE.—For Technical Vehicles not shown in this scale for the type of chassis upon

	Tractors, heavy.	Lorries.				Charabancs.	
		Heavy : 4-wheeled.	Medium : 6-wheeled.	Light : 4-wheeled.	Light : 6-wheeled.	Heavy : 4-wheeled.	Light : 4-wheeled.
<i>Section E.1</i>							
Clips, rifle, vehicles No. 1 or 2 ...	—	—	—	—	—	—	—
Covers, rifle, Mk. II* or III ...	1 (ad)	1 (ad)	1 (ad)	1 (ad)	1 (ad)	1 (ad)	1 (ad)
Lashings, tarred, 1½-in. (30 ft.) ...	2	2	2	2	2	—	—
<i>Section F</i>							
Hammers, sledge, straight pane, 10-lb.	2	—	—	—	—	—	—
<i>Section G.1</i>							
Padlocks, iron, 2-in. ...	(a)	(a)	(a)	(a)	(a)	(a)	(a)
<i>Section J</i>							
Axes, pick, 4½-lb. { heads ...	1	—	1	—	1	—	—
{ helves ...	1	—	1	—	1	—	—
Shovels, G.S. ...	1	—	1	—	1	—	—
<i>Section K</i>							
Stretchers, ambulance, Mk. II.	—	—	—	—	—	—	—
M.T. SUPPLY.							
<i>Section No. 1</i>							
Aprons, dashboard storm (aj) ...	1	1	1	1	1	1	1
Bags, pneumatic tube (d), (z) ...	—	—	—	—	—	—	—
Bracket, fire extinguisher ...	1	1	1	1	1	1	1
Brushes, engine, cleaning ...	1	1	1	1	1	1	1
Cans, oil, lubricating, ½-pint, M.T.	—	—	—	—	—	—	—
Patt., forced feed ...	1	1	1	1	1	1	1
Cans, petrol, 2-gallon (e) ...	6 (z)	6 (z)	6 (z)	6 (z)	6 (z)	6 (z)	6 (z)
Covers, radiator ...	1	1	1	1	1	1	1
Connection, pump, tyre, mechanical (c)	1	1	1	1	1	1	1
Extinguishers, fire (tetrachloride type)	1	1	1	1	1	1	1
Funnels, oval, oil, 6-in. ...	1	1	1	1	1	1	1
„ petrol, or pourer ...	1	1	1	1	1	1	1
Gauges, pressure tyre (d), (k) ...	1	1	1	1	1	1	1

TABLE 3.—

	Tractors, heavy.	Lorries.				Chara- bancs.	
		Heavy : 4-wheeled.	Medium : 6-wheeled.	Light : 4-wheeled.	Light : 6-wheeled.	Heavy : 4-wheeled.	Light : 4-wheeled.
M.T. SUPPLY—Section No. 1—contd.							
Holders, licence (<i>ab</i>)	1	1	1	1	1	1	1
" oil can, $\frac{1}{2}$ -pint, M.T. Patt. ...	1	1	1	1	1	1	1
Holdfasts, anchors, complete... ..	1	—	—	—	—	—	—
Injectors, grease (<i>c</i>)	1	1	1	1	1	1	1
Jacks with handle, lever, or tommy bar	1	1	1	1	1	1	1
Muffs, radiator (<i>aa</i>)	—	—	—	—	—	—	—
Pumps, tyre, foot or hand complete (<i>g</i>) (<i>m</i>)	1	1	1	1	1	1	1
Rugs, driving	—	—	—	—	—	—	—
Scotch lorry, complete	1	1	1	1	1	1	1
Straps, spare wheel sets (<i>c</i>)	1	1	1	1	1	1	1
" luggage carrier (<i>f</i>), (<i>ac</i>), (<i>c</i>) ...	—	—	—	—	—	—	—
Tins, oil, quart... ..	—	—	—	—	—	—	—
Section No. 2							
Kits, tool, I.C., vehicle W.D. std., sets (<i>s</i>)	1	1	1	1	1	1	1
Kits, tool, makers', special tools, sets (<i>t</i>)	1	1	1	1	1	1	1
Levers, pneumatic tyre, removing (beaded rims only) (<i>d</i>) or—							
Tools, pneumatic tyre, removing (straight sided rims only or beaded rims only) (<i>d</i>) ... (set of 2)	(ak)	(ak)	(ak)	(ak)	(ak)	(ak)	(ak)
Tongs, fitting, overall, non-skid chains (<i>c</i>)	—	—	1	—	1	—	—
Section No. 3							
Bells, alarm	—	—	—	—	—	—	—
Horns, bulb, mechanical or electric (<i>g</i>)	1	1	1	1	1	1	1
Lamps, head, acetylene, with generator and necessary tubing (<i>o</i>)	2	2	2	2	2	2	2
Lamps—							
Head, electric (<i>p</i>)	2	2	2	2	2	2	2
Side, electric (<i>p</i>)	2	2	2	2	2	2	2
" oil (<i>o</i>)	2	2	2	2	2	2	2
Tail, electric (<i>p</i>)	1	1	1	1	1	1	1
" oil (<i>o</i>)	1	1	1	1	1	1	1
Inspection, electric, with wandering lead, complete (<i>p</i>), (<i>c</i>)	1	1	1	1	1	1	1
Interior, electric (<i>p</i>)	—	—	—	—	—	—	—
Dash, electric (<i>p</i>), (<i>c</i>)	1	1	1	1	1	1	1
Spotlight, electric (<i>p</i>), (<i>aa</i>)	—	—	—	—	—	—	—

continued

[illegible]

TABLE 3.—

		Lorries.				Charabancs.	
	Tractors, heavy.	Heavy : 4-wheeled.	Medium : 6-wheeled.	Light : 4-wheeled.	Light : 6-wheeled.	Heavy : 4-wheeled.	Light : 4-wheeled.
<i>Section No. 3—continued</i>							
Lamps, Inspection, battery, Helleson type (spare)	—	—	—	—	—	—	—
Mirrors, driving	1	1	1	1	1	1	1
<i>Section No. 4</i>							
Accumulators (p)	1	1	1	1	1	1	1
Bulbs, spare, set of 3 (p)	1	1	1	1	1	1	1
„ spare, set of 6	—	—	—	—	—	—	—
Box, tin, for 3 spare electric light bulbs (p)	1	1	1	1	1	1	1
Holders, sparking plug (ae)	2	1	1	1	1	1	1
Plugs, sparking (spare)	4	1	1	1	1	1	1
Battery dictaphone	—	—	—	—	—	—	—
<i>Section No. 6</i>							
Outfits, tyre repair	—	—	—	—	—	—	—
<i>Section No. 8</i>							
Spanners, magneto (h), (ac)	2	2	2	2	2	2	2
<i>Section No. 11</i>							
Chains, non-skid (sets) (j)	1	1	—	1	—	1	1
„ non-skid overall, pairs (g)	—	—	1	—	1	—	—
Ropes, towing, medium	1	1	1	1	1	1	1
„ towing, light	—	—	—	—	—	—	—
<i>Section No. 13</i>							
Containers, steel, for medical equipment	—	—	—	—	—	—	—
Covers, waterproof (f), (ac), (w)	1	1	1	1	1	—	—
Cushions, sets	1	1	1	1	1	1	1
Mats, coir fibre	—	—	—	—	—	—	—
Wipers, windscreen (n)	—	—	—	—	(c)	—	(c)
<i>Section No. 14</i>							
Covers, pneumatic tyre (spare) (d), (f)	1	1	1	1	1	1	1
Tubes, pneumatic tyre (spare) (d), (f)	1	1	1	1	1	1	1
<i>Section M.T.N.V.S.</i>							
Wheel or rim (spare) (d), (f), (q)	1	1	1	1	1	1	1
Vehicle, log sheet, file, A.B.5 (aq)	1	1	1	1	1	1	1

continued

Ambulances.			Vans.		Motor-cars.				Fire-Engines.		Armoured Vehicles.		Lorries, petrol, electric (not searchlight).	Lorries, petrol, electric used for searchlight purposes.
Heavy : 4-wheeled.	Heavy : 6-wheeled.	Light : 4-wheeled.	Heavy : 4-wheeled.	Light : 4-wheeled.	Heavy : 4-wheeled.	Heavy : 6-wheeled.	Light : 4-wheeled.	2-seater.	4-wheeled.	6-wheeled.	Lorries.	Cars.		
—	—	—	—	—	—	—	—	—	—	—	—	2	—	—
1	1	1	1	1	1	1	1	1	1	1	1	1	—	—
1	1	1	1	1	1	1	1	1	1	1	1	1	—	—
—	—	—	—	—	—	—	—	—	—	—	—	1	—	—
1	1	1	1	1	1	1	1	1	1	1	2	2	—	—
1	1	1	1	1	1	1	1	1	2	2	2	2	1	—
—	—	—	—	—	1 (y)	(1y)	1 (y)	—	4	4	4	4	2	2
—	—	—	—	—	1 (af)	(af)	1 (af)	1	—	—	—	—	—	—
2	2	2	2	2	2	2	2	1	2	2	2	2	—	—
1	—	1	1	1	1	—	1	1	1	—	1	1	1	1
—	1	—	—	—	—	1	—	(al)	—	1	—	—	—	—
—	1	—	—	—	—	—	—	—	1	1	1	1	1	1
1	—	—	1	—	—	—	—	(ao)	—	—	—	—	—	—
1	1	1	—	—	—	—	—	—	—	—	—	—	—	—
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
(c)	(c)	(c)	(c)	(c)	2(r)	2(r)	2(r)	1	—	—	—	—	—	—
1	1	1	1	1	2	1	1	1	—	1	—	2	—	—
1	1	1	1	1	3	1	2	2	—	1	—	3	—	—
1	1	1	1	1	2	1	1	1	—	1	—	2	—	—
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

APPENDIX 26—continued

CONTENTS OF TOOL KITS FOR MECHANICAL TRANSPORT

(Excluding Makers' Special Tools)

TABLE 4

(See note at head of Appendix)

Description.	For all I.C. and steam vehicles other than Ford vehicles and motor-cycles.	For Ford vehicles.	For motor-cycles.
M.T. SUPPLY.			
Section 1			
Tape, insulating, adhesive, $\frac{1}{2}$ -in. lb.	$\frac{1}{2}$	$\frac{1}{2}$	—
Section 2			
Rolls, or bags, tool kit, empty ...	1	1	1
Bars, tommy, for box spanners ...	1	—	—
Brace, wheel and rim nut ...	—	1	—
Drifts, copper ...	1	1	—
Chisels, hand, cold, $\frac{1}{2}$ -in. $\times$ 6-in. ...	1	1	—
Files, bastard round, 8-in. ...	1	1	—
„ second cut, half round, 10-in. ...	1	1	—
Hammers, ball pane, handled, $1\frac{1}{2}$ -lb. ...	1	1	—
Handles, file, middling ...	1	1	—
Pliers, side-cutting, 7-in. ... pairs	1	1	—
„ flat nose ...	—	—	1
Punches, pin, $\frac{1}{8}$ -in. ...	1	1	1
Screwdrivers, 10-in. overall ...	1	1	—
„ 6-in. overall ...	—	—	1
Spanners—			
Box—			
$\frac{1}{2}$ -in. $\times$ $\frac{5}{16}$ -in. ...	1	—	—
$\frac{3}{8}$ -in. $\times$ $\frac{7}{16}$ -in. ...	1	—	—
$\frac{1}{2}$ -in. $\times$ $\frac{1}{2}$ -in. ...	1	—	—
D.E.—			
$\frac{1}{2}$ -in. $\times$ $\frac{3}{16}$ -in. ...	1	—	—
$\frac{3}{8}$ -in. $\times$ $\frac{5}{16}$ -in. ...	1	—	—
$\frac{7}{16}$ -in. $\times$ $\frac{1}{2}$ -in. ...	1	—	—
(T. 1917) ...	—	1	—
Hub cap ...	—	1	—
Spark plug—			
Cylinder head ...	—	1	—
(D.E. box spanner, $\frac{3}{16}$ -in. each end, drilled to take a tommy bar in two places; length approximately 4-in.) (ai) ...	1	—	—
Wrenches :—			
Adjustable :—			
4-in. ...	—	—	1
6-in. ...	1	1	—
12-in. ...	1	—	—
9-in., footprint pattern ...	1	—	—
Section 10			
Wire, ordinary, copper, soft, 20 S.W.G. lb.	$\frac{1}{2}$	$\frac{1}{2}$	—

ADDITIONAL EQUIPMENT FOR M.T. VEHICLES NECESSARY TO BRING TABLES 2 AND 3 UP TO
WAR SCALE

TABLE 5

(See note at head of Appendix)

Description.	Tractors Heavy.	Lorries, Heavy.	Charabancs, Heavy.	Lorries, Light.	Charabancs, Light.	Vans, Heavy.	Ambulances, Heavy.	Vans, Light.	Ambulances, Light.	Cars, Heavy.	Cars, Light, including 2-seater.	Petrol Motor Fire Engine.	Armoured Lorry.	Armoured Car.	Steam Tractor.	5-Ton Steam Wagon.	Medium and Light 6-Wheeled I.C. Vehicles.
<i>Section E.1</i>	1	1	—	1	—	1	1	1	1	1	1	1	1	1	1	1	1
Brushes, water, carriage, Mk. I. ...	1	1	—	1	—	1	1	1	1	1	1	1	1	1	1	1	1
<i>Section J</i>	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	(2)
Axes, pick, 4½-lbs.—	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	(2)
Heads ...	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	(2)
Helves ...	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	(2)
Shovels, G.S. ...	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	(2)
<i>Section No. 1—M.T.</i>	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	(2)
Brushes, spoke ...	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	(2)
Buckets, canvas ...	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	(2)
Fittings, pick and shovel ... sets	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	(2)
<i>Section No. 6—M.T.</i>	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	(2)
Outfits, tyre repair (a/p) ...	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	(2)

NOTES

- (a) One for each lock-up receptacle.
- (b) Stretchers as necessary for ambulance bodies.
- (c) Where necessary or ordered.
- (d) When vehicles are fitted with pneumatic tyres.
- (e) M.T. supply, for equipment of vehicles only, to be issued as required.
- (f) Dimensions to be stated on indents.
- (g) Type of vehicle to be stated on indents.
- (h) Type of magneto to be stated on indents.
- (i) Provided as peace equipment.
- (j) Type and size of wheel and tyre and type of vehicle to be stated on indents.
- (k) An additional tyre pressure gauge authorized for each 5 pneumatic-tyred vehicles with unit.
- (l) Jacks—armoured car type.
- (m) Foot or hand pumps, not provided when vehicle fitted with mechanical power inflator.
- (n) For vehicles with glass windscreens.
- (o) Only available when vehicle fitted with acetylene lighting set.
- (p) Only available when vehicle fitted with electric lighting set.
- (q) As necessary—when fitted with detachable wheels or rims.
- (r) 2 coir fibre mats for open cars; 1 coir fibre and 1 carpet mat for closed cars.
- (s) W.O. standard tool kits (I.C. steam and motor-cycle) (*see* Table 4).
- (t) Vehicle makers' special tools. (List applicable for each make of vehicle available from M.T.S.D. in respect of R.A.S.C. driven vehicles; C.O.O., Woolwich, for "A" vehicles; and O.O., Farnborough, for "B" vehicles).
- (u) Ford cars, vans, ambulances. Special tool kit only will be issued (*see* Table 4).
- (v) To be made by company artificers.
- (w) Not for technical and special vehicles fitted with closed type bodies.
- (x) Size of tube to be stated on indents.
- (y) When fitted with Dictaphone.
- (z) Includes 1 for oil and 1 for water.
- (aa) Where authorized.
- (ab) Home only.
- (ac) Not required for Ford vehicles.
- (ad) For each driver armed with a rifle.
- (ae) Size and type of thread to be stated.
- (af) To be demanded only as required in the case of R.A.S.C. driven vehicles.
- (ag)
- (ah) For grease-gun lubrication system.
- (ai) Not required for steam vehicles.
- (aj) For vehicles without glass windscreens or metal windshields.
- (ak) One set for each vehicle to suit type of rim.
- (al) Balata belt in lieu of non-skid chain.
- (am) Special scale of tools is authorized.
- (an) 1 electric and 1 mechanical.
- (ao) Rope, manilla.
- (ap) R.A.S.C. vehicles only, if not already provided in peace.
- (aq) *See* para. 289.

APPENDIX 27

(Referred to in para. 290)

WAR SCALE OF LUBRICANTS FOR "A" (MECHANICAL)
VEHICLES.—INITIAL SUPPLY ON MOBILIZATION

[Under consideration.]

APPENDIX 28

(Referred to in para. 403)

TABLES SHOWING THE MATERIALS ALLOWED FOR PAINTING VEHICLES, ETC.

TABLE 1.—Quantity of Material for Repairing Bare Places and Painting One Coat

Description.	Paint, prepared. Service colour. (a)	Putty.	Remarks.
<i>Section E.1</i>			
Carriage, ambulance, stretcher, collapsible	lb. oz. 4 0	lb. oz. 0 8	
Carts—			
Ambulance, horse	7 0	1 0	
Hand, common	5 0	0 12	
Hand, light	1 12	0 4	
Maltese	6 0	0 12	
Officers' Mess	4 0	0 8	
Tip, G.S.	9 8	1 0	
Water tank, Mks. V* to VII, complete	5 0	0 4	
Connectors, engine draft, No. 6	2 0	—	
Kitchens, travelling (b)—			
Body... ..	1 8	—	Also 10 lb. of black paint, and 1 lb. of varnish, black, vegetable.
Limber	3 8	0 4	Also 1 lb. of varnish, black, vegetable.
Poles, draught (spare)—			
Nos. 7A, 9 and 23	1 0	—	
Shafts (spare)—			
Nos. 63 and 64	0 12	0 1	
Swingletrees (spare)—			
Nos. 11 and 13 ... (a doz.)	2 0	0 8	

(a) Where necessary, linseed oil and turpentine for thinning paint may be issued, the quantity together not to exceed 2 quarts for every 56 lb. of prepared paint.

(b) The following materials are allowed annually for the preservation of travelling kitchens :—

<i>Section H.1</i>			
Bathbricks... ..	...	1	To be provided locally.
Mineral jelly, red	...	lb. 3	
Soda crystals	...	6	
Soap, yellow	...	bars 2	

TABLE 1.—*continued*

Description.	Paint prepared. Service colour. (a).	Putty.	Remarks.
<i>Section E.1—continued</i>			
Wagons—			
Ambulances, Mk. V** ...	14 0	2 0	Also 3 lb. of white paint for inside of roof.
„ Mk. VI ...	16 0	2 0	
„ light ...	10 0	1 8	
G.S., Mks. IX to X* ...	15 0	2 0	
Limbered, G.S.—			
Fore	5 0	0 12	
Hind	5 0	0 12	
Range—			
Long	8 0	1 0	
Short	7 0	1 0	
Wheels (spare)	2nd class, { No. 204	1 0	0 3
	C. { Nos. 200A		
	and 206	1 0	0 3
	{ No. 159A	0 12	0 2
	3rd class, { Nos. 46	0 6	0 2
	B. { and 48	0 14	0 2
	Nos. 145		
	and 158		
<i>Section E.3</i>			
Jacks, lifting, G.S.	0 4	—	
<i>Section J</i>			
Barrows, hand	0 12	0 2	
Mauls, heads, Mk. VI (per doz.)	1 0	—	
Posts, picketing, 2½-ft., Mk. V(b) (per doz.)	1 2	—	
<i>Section K</i>			
Barrows, stable	1 8	0 4	
<i>Section M.3</i>			
Bars, supporting, draught pole, (c)	—	—	
Poles, draught (spare), Nos. 17 and 18	1 0	—	
Wheels (spare), 2nd class C, Nos. 43 and 45	1 4	0 2	
<i>Section W.1</i>			
Trucks, miners'	0 12	0 2	

(a) Where necessary, linseed oil and turpentine for thinning paint may be issued, the quantity together not to exceed 2 quarts for every 56 lb. of prepared paint.

(b) Posts treated with jodolite or oil, mineral, preserving wood, will not require painting.

(c) Paint for metal work will be taken from quantity authorized for vehicles; woodwork will be treated with "oil, mineral, preserving wood," for which purpose 1½ gills a dozen bars may be demanded annually.

(704)—12*

TABLE 1.—*continued*
MATERIALS FOR PAINTING VEHICLES, ETC.

	Brushes.					Blacklead, dry, or paint prepared for use, enamel black (c).	Paint prepared for use.			Turpentine.	Varnish, carriage.	Varnish, Japan, black.				
	Hair, Flat, 2-in.	Hair, Flat, 1-in.	Paint No. 8, Fitch (b).	Paint No. 10, Fitch (b).	Filler, Elastic (b) or putty.		Paint, Alu- minium (b).	lb.	lb.				lb.	Service colour.	Red, bright.	Lead, red.
Lorry	Medium 6-wheeler	...	...	...	...	...	lb.	lb.	lb.	lb.	lb.	pts.	pts.			
	Light 6-wheeler	...	...	...	...	...	(a)	(a)	(a)	(a)	(a)	(a)	(a)			
	Petrol Electric...	...	...	...	...	...	(a)	(a)	(a)	(a)	(a)	(a)	(a)			
	Armoured	...	...	...	...	...	(a)	(a)	(a)	(a)	(a)	(a)	(a)			
	I.C.	...	...	...	...	...	(a)	(a)	(a)	(a)	(a)	(a)	(a)			
Machine	Steam	...	...	...	...	...	(a)	(a)	(a)	(a)	(a)	(a)	(a)			
	Burford-Kegresse	...	...	...	...	...	(a)	(a)	(a)	(a)	(a)	(a)	(a)			
	Citroen-Kegresse	...	...	...	...	...	(a)	(a)	(a)	(a)	(a)	(a)	(a)			
	Crossley-Kegresse, 30-cwt.	...	...	...	...	...	(a)	(a)	(a)	(a)	(a)	(a)	(a)			
	Ambulance	...	...	...	...	...	(a)	(a)	(a)	(a)	(a)	(a)	(a)			
Motor	Car	...	...	...	...	...	(a)	(a)	(a)	(a)	(a)	(a)	(a)			
	Car, armoured	...	...	...	...	...	(a)	(a)	(a)	(a)	(a)	(a)	(a)			
	Car, Crossley-Kegresse, Battery Staff	...	...	...	...	...	(a)	(a)	(a)	(a)	(a)	(a)	(a)			
	Cycle and Combination	...	...	...	...	...	(a)	(a)	(a)	(a)	(a)	(a)	(a)			
	Fire Engine	...	...	...	...	...	(a)	(a)	(a)	(a)	(a)	(a)	(a)			
Platform, travelling, A.A., No. 2	Van, heavy	...	...	...	...	...	(a)	(a)	(a)	(a)	(a)	(a)	(a)			
	Van, light	...	...	...	...	...	(a)	(a)	(a)	(a)	(a)	(a)	(a)			
	Van, travelling, A.A., No. 2	...	...	...	...	...	(a)	(a)	(a)	(a)	(a)	(a)	(a)			
	I.C.	...	...	...	...	...	(a)	(a)	(a)	(a)	(a)	(a)	(a)			
	Steam	...	...	...	...	...	(a)	(a)	(a)	(a)	(a)	(a)	(a)			
Tractor	Van, chassis, Crossley, 15-cwt.	...	...	...	...	...	(a)	(a)	(a)	(a)	(a)	(a)	(a)			

NOTE.—Special paints for motor-cars requiring coach finish to be indented for as necessary.

(a) As necessary.

(b) R.A.S.C. (M.T.) Supply.

(c) For painting and preservation of cylinders in water-cooled engines.

TABLE 1.—continued
MATERIALS FOR PAINTING VEHICLES, ETC.

Description.	Composition for Canvas.			Remarks.
	Red.	Service colour.	White.	
<i>Section D.1</i>	lb. oz.	lb. oz.	lb. oz.	
Covers, 6 ft.×6 ft., Mk. III	—	3 0	—	Covers made of waterproof material dyed khaki or service colour will be treated with composition for canvas only when the covers have become bleached.
<i>Section E.1</i>				
Covers, { Maltese	—	8 0	—	
cart { G.S.	—	5 0	—	
Covers, adjustable, G.S., wagon	—	13 0	—	
Covers, wagon, limbered, G.S.	—	3 8	—	
Wagons, ambulance, Mk. VI—				
Hoods, and curtains (a)	—	—	5 0	
<i>Section L</i>				
Ladders, curricule, covers	20 0	—	—	
Reels, hose, covers ...	4 0	—	—	

(a) Only those made of khaki or service colour canvas will be painted.

TABLE 2.—QUANTITY OF PAINT ALLOWED FOR MARKING

Nature of Marking.					No. of letters, etc.	Quantity of paint.(a)	
						oz.	
Letters or	1½ in type	...	...	...	200	1½	
figures	1 in. "	...	...	...	200	1½	
	¾ in. "	...	...	...	200	1½	
	½ in. "	...	...	...	200	1½	
	¼ in. "	...	...	...	200	1½	
	⅓ in. "	...	...	...	200	1½	
	⅔ in. "	...	...	...	200	1½	
Geneva cross :—						Bright red(b).	White (b)
6 ft.×4 ft. 3 in.×1 ft. 3 in.					2	lb. oz.	lb. oz.
5 ft. 6 in.×3 ft. 6 in.×1 ft.					2	2 8	3 0
5 ft. 6 in.×2 ft. 9 in.×1 ft.					2	2 0	2 8
4 ft.×3 ft.×1 ft.					2	1 14	2 4
3 ft. 6 in.×2 ft. 6 in.×9 in.					2	1 9	—
1 ft. 8 in.×1 ft. 8 in.×6 in.					2	1 0	—
13½ in.×13½ in.×4½ in.					2	0 6	0 10
1 ft.×1 ft.×4 in.					2	0 3½	0 3½
10 in.×9 in.×3 in.					2	0 2½	0 2½
9 in.×8 in.×2½ in.					2	0 1½	0 1½
					2	0 1	0 1

N.B.—1 pint of turpentine for each lb. of paint will be allowed.

(a) Less than ¼ lb. paint should not be issued.

(b) For Geneva crosses on canvas covers the special red and white composition for canvas will be used.

On ambulance vehicles having covers of white material, the sectors between the arms of the cross will not be painted white.

APPENDIX 29

(Referred to in para. 210)

METHOD OF STORING MOBILIZATION VEHICLES (H.T.)

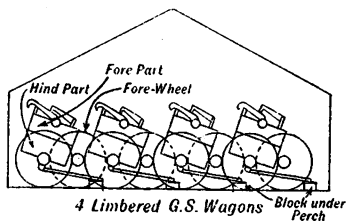


DIAGRAM No. 1.

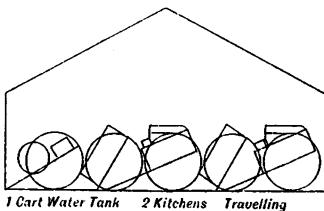


DIAGRAM No. 2.

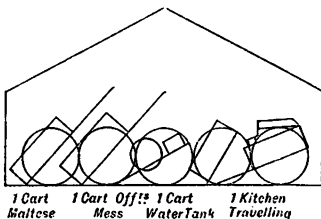


DIAGRAM No. 3

NOTE.—In diagram No. 1 the fore part of the limbered G.S. wagon has its wheels and pole removed, the body is reversed and placed on the body of the hind part. The perch of the latter to be blocked up.

Where space will admit, G.S. vehicles will be stored on their wheels, but unless there is ample room for all the vehicles to be stored complete, with space to admit of their being easily cleaned and examined, they will be dismantled and stacked. No stack will exceed 8 feet in height. Poles of pole draught vehicles will be removed and stored near by. In the case of vehicles which have a tendency to tilt on removal of the pole, care will be taken to lower the body gently on to pieces of wood and thus prevent damage.

In the remaining diagrams all pole-draught vehicles have their poles removed.

APPENDIX 30

*(Referred to in para. 281)*INSTRUCTIONS ON THE CARE AND PRESERVATION OF
TRAVELLING KITCHENS**General**

1. Where possible, travelling kitchens must be kept under cover or, rough shelters should be erected.
2. Every endeavour should be made to avoid rough roads when the kitchen is moved from one place to another.
3. They will not be used in standing camps or when other means of cooking can be utilized.
4. Before detaching the rear portion of the kitchen the props must be fixed under the perch, whilst the iron stay should be placed under the back to prevent the rear portion tipping up.
5. The carrying of unauthorized kit, etc., on the kitchen is forbidden.

Lifting the Boiler

6. The boiler bearer must invariably be used for lifting the boiler on and off the fire. On no account should the boiler be lifted by hand.
7. The greatest care must be exercised to ensure that the boiler is not empty when it is replaced on the fire.
8. Boilers must be carefully handled at all times.

Cleaning the Boiler

9. The boiler will be cleaned with hot water and soda after every meal, and dried with a dish-cloth. Emery cloth, bath brick, sand, etc., must *never* be used in cleaning the boiler.

Heating the Boiler

10. Before the fire is lighted care must be taken that all the boilers are properly filled.

Only the minimum fire should be maintained, especially during travelling. After use the fire should be completely raked out and the kitchen allowed to cool gradually. The kitchen should be covered up before becoming quite cold in order to avoid condensation. Before being stored for any length of time, parts in contact with the fire should be coated with mineral jelly.

The fire must not be extinguished with water, except in cases of urgent military necessity.

APPENDIX 31

(Referred to in paras. 138-140)

APPLICABLE TO ALL TRANSPORTS AND ALSO TO FREIGHTSHIPS
CARRYING TROOPS WHEN ISSUE IS ORDERED BY THE
WAR OFFICE

TABLE 1.—Stores to be placed on board by the
R.A.O.C.

All articles not enumerated in this list, but approved for use on the voyage, will be placed on the vessel under arrangements to be made by the Director of Sea Transport, Mercantile Marine Department, Board of Trade. For details, *see* Regulations for H.M. Sea Transport Service, a copy of which is placed on board.

For footnotes see end of Table.

Description.	Stores for all Transports.	Stores for Hospital use. Issued to and separately accounted for under the instructions of the O.C. troops on board by the Serjeant Dispensers. Per cent. of maximum fitted cot accommodation (inclusive of fitted cots available by conversion of family cabins).	Remarks.
<i>Section A.1</i>			
Belts, shoulder, sword, Sam Browne ...	1 (o)	—	
Belts, waist, sword, Sam Browne, Mk. II. ...	1 (o)	—	
Belts, waist (a) ...	—	—	
Bugles ...	—	—	2 for each ship.
Frogs, bayonet (a) ...	—	—	
Pouches, ammunition (a) ...	—	—	
Strings, bugle and trumpet	—	—	2 for each ship.
<i>Section B.1</i>			
Rifles, No. I, Mk. III (a) ...	—	—	
Bayonets, No. I, Mk. I (a) ...	—	—	
Scabbards, bayonet, No. I, Mk. II (a) ...	—	—	
Bottles, oil, Mk. IV (a) ...	—	—	
Pullthroughs, single—			
Mk. IV, "B" (a) ...	—	—	
Gauze, pieces (a) ...	—	—	

TABLE 1.—*continued*

Description.	Stores for all Trans- ports.	Stores for Hospital use. Issued to and separately accounted for under the instructions of the O.C. troops on board by the Serjeant Dispensers. Per cent. of maximum fitted cot accommodation (inclusive of fitted cots available by conversion of family cabins).	Remarks.
<i>Section B.3</i>			
Flannelette	—	—	25 yds. a month during period of voyage.
<i>Section H.1</i>			
Oil, M.80	—	—	2 pints a month during period of voyage.
Soap, yellow ... bars	—	118	
<i>Section K</i>			
Boards, bed-head ...	—	100	
„ fracture sets	—	—	
Boxes, library	4	—	3 for cot ship. 3 for educational books and 1 for officers' library.
Cloths { bed-pan... ..	—	28	
distinctive	—	28	
medicine	—	28	
Clubs, 1½-lb. ... prs.	12	—	
Communion service, F.S.			
complete	1	—	} For divine service.
Linen (spare) ... sets	1	—	
Games—			
Backgammon (b) (c)—			
Boards	3	4	
Dice (cups 2, cubes 4)	3	4	
Men, sets	3	4	
Chess (b) (c)—			
Boards	3	2	
Men, sets	3	2	
Dominoes (b) (c) sets	6	2	
Draughtsmen (b) (c)—			
Boards	3	4	
Men, sets	3	4	
Solitaire (b) (c)—			
Balls, sets	3	2	
Boards	3	2	
Gloves, boxing ... prs.	20 (d)	—	
Pillows, feather ...	—	13	
Rests, bed	—	4	
Sponges, bath	—	4	20 per cent. for cot ship.

TABLE 1.—*continued*

Description.	Stores for all Trans-ports.	Stores for Hospital use. Issued to and separately accounted for under the instructions of the O.C. troops on board by the Serjeant Dispensers. Per cent. of maximum fitted cot accommodation (inclusive of fitted cots available by conversion of family cabins).	Remarks.
<i>Section K—continued</i>			
Stretchers, ambulance, Mk. II	} — 12 (e)	2	{ 6 per cent. for cot ship.
Towels, hand		600	
„ roller	—	100	200 per cent. for cot ship.
Warmers, stomach ...	—	10	
<i>N.I.V.</i>			
Punchballs (b) (c) ...	4	—	
<i>Section L</i>			
Boxes, dressing	—	4	5 per cent. for cot ship.
<i>Brushes—</i>			
Bed-pan	—	4	
Closet	—	4	
Feeder	—	4	6 per cent. for cot ship.
Clippers, hair	2	2	
Corkscrews	—	4	
Disinfectors, spray, Mk. II	—	—	1 for each ship.
Handcuffs, common prs.	—	—	1 per cent. of strength on board.
Inhalers, Mk. III	—	13	
Kettles, bronchitis	—	—	1 for cot ship.
Measures, glass, 4-oz. ...	—	13	
Picks, ice	—	2	
Scissors, hair-cutting prs.	2	2	
Warmers, foot	—	10	
<i>N.I.V.</i>			
Formaldehyde, Winchester, qt. bottles ...	} —	—	{ 2 for each ship, R.A.S.C. Supply.
Tabs		50	
Taps, champagne	—	2	For marking blankets used in infectious cases.

TABLE 1.—*continued*

Description.	Stores for all Trans-ports.	Stores for Hospital use. Issued to and separately accounted for under the instructions of the O.C. troops on board by the Serjeant Dispensers. Per cent. of maximum fitted cot accommodation (inclusive of fitted cots available by conversion of family cabins).	Remarks.
<i>Section Q.1</i>			
Cartridges , small arm, ball— ·303-in. Mk. VII (f) ...	—	—	60 for each rifle for unarmed troops; 200 for each rifle for armed troops.
Revolver, ·455-in., Mk. II	960 (f)	—	
<i>Section V.2</i>			
Boards , drawing, instructional ...	5	—	
Compasses , drawing, instructional, Mk. III ...	25	—	
Dividers , instructional ...	25	—	
Protractors —			
Rectangular, 6-in. wood, instructional ...	25	—	
Semi-circular, celluloid, 6-in. ...	10	—	
Scales , math., No. 23 ...	35	—	
Set-squares , celluloid—			
6-in., 45° ...	10	—	
8-in., 60°, instructional	10	—	
Set-squares , instructional—			
4-in., 45° ...	25	—	
5-in., 60° ...	25	—	
T-squares , 24-in., instructional ...	5	—	
<i>Pimlico Section 14</i>			
Aprons , dispensers ...	—	—	3 for each ship.
„ operating ...	—	3	For cot ship only.
Gowns , serge, unlined ...	—	20	70 per cent. for cot ship.
Handkerchiefs ...	24 (e)	100	500 per cent. for cot ship.
Jackets , pyjama ...	12 (e)	120	
„ serge, unlined ...	—	100	275 per cent. for cot ship.
Overalls , nursing orderlies	—	—	3 for each R.A.M.C. nursing orderly.
Sleeves , dispensers prs.	—	—	3 for each ship.

TABLE 1.—*continued*

Description.	Stores for all Transports.	Stores for Hospital use. Issued to and separately accounted for under the instructions of the O.C. troops on board by the Serjeant Dispensers. Per cent. of maximum fitted cot accommodation (inclusive of fitted cots available by conversion of family cabins).	Remarks.
<i>Pimlico Section 14—contd.</i>			
Ties, red	—	150	200 per cent. for cot ship.
Trousers, pyjama prs. „ serge, unlined prs.	12 (e) }	100 100	{ 275 per cent. for cot ship.
Waistcoats— Serge, unlined ...	—	100	275 per cent. for cot ship.
Strait	—	3	
<i>Pimlico Section 15</i>			
Crossbelts, sentries ...	—	—	2 per cent. of troops on board with a minimum of 10.
Drawers, woollen prs.	100 (h)	—	
Frocks, duck ...	24 (i)	—	
„ K.D. Indian pattern ...	100 (j)	—	For transports proceeding to India only (m).
„ khaki drill ...	(j) (l)	—	For transports carrying troops to both Indian and Colonial stations (m).
„ khaki drill ...	50 (j)	—	For transports proceeding to Colonial stations only.
„ oil-dressed ...	4 (k)	—	
Hats, sou-wester ...	4 (k)	—	
Jackets, S.D., O.R. ...	25 (j)	—	
Trousers, duck ... prs.	24 (i)	—	
„ K.D. Indian pattern ... prs.	50 (j)	—	For transports proceeding to India only (m).
„ khaki drill prs	(j) (l)	—	For transports carrying troops to both Indian and Colonial stations (m).
„ khaki drill prs.	50 (j)	—	For transports proceeding to Colonial stations only.

TABLE 1.—*continued*

Description	Stores for all Transports.	Stores for Hospital use. Issued to and separately accounted for under the instructions of the O.C. troops on board by the Serjeant Dispensers. Per cent. of maximum fitted cot accommodation (inclusive of fitted cots available by conversion of family cabins).	Remarks.
<i>Pimlico Section 15—contd.</i>			
Trousers , oil-dressed prs.	4 (<i>k</i>)	—	For transports proceeding to India only (<i>m</i>).
„ S.D., O.R. prs.	25 (<i>j</i>)	—	
Vests , woollen	100 (<i>h</i>)	—	For transports carrying troops to both Indian and Colonial stations (<i>m</i>).
<i>Pimlico Section 17</i>			
Caps , S.D. stiff, O.R. ...	50 (<i>j</i>)	—	For transports proceeding to Colonial stations only.
Hats , pith	100 (<i>j</i>)	—	
Hats , pith or helmets, universal, khaki, complete	100 (<i>j</i>) (<i>l</i>)	—	1 per cent. of troops on board with a minimum of 4.
Helmets , universal, khaki, complete	11 (<i>o</i>)	—	
Helmets , universal, khaki, complete	100 (<i>j</i>)	—	
<i>Pimlico Section 18</i>			
Armlets—			
Embarkation and Transportation Duties ...	22 (<i>o</i>)	—	
M.P.	—	—	
Ship's Adjutant ...	4	—	
Baggage Master ...	4	—	
Messing Officer ...	4	—	
Ship's Quarter-master ...	4	—	
Chevrons , worsted, S.D.			
3-bar	8 (<i>o</i>)	—	
Crowns , gilding, metal, S.D.	4 (<i>o</i>)	—	
Crown in wreath, gilding metal, S.D.	12 (<i>o</i>)	—	
Royal Arms , gilding metal, S.D.	4 (<i>o</i>)	—	
<i>Pimlico Section 19</i>			
Braces , pairs	25 (<i>j</i>)	—	
Brushes , hair	25 (<i>j</i>)	—	

TABLE 1.—*continued*

Description	Stores for all Transports.	Stores for Hospital use. Issued to and separately accounted for under the instructions of the O.C. troops on board by the Serjeant Dispensers. Per cent. of maximum fitted cot accommodation (inclusive of fitted cots available by conversion of family cabins).	Remarks.
<i>Pimlico Section 19—contd.</i>			
Brushes, shaving ...	25 (j)	—	100 per cent. for cot ship.
,, tooth ...	50 (j)	—	
Cap-comforters ...	25 (j)	—	
Combs, hair ...	25 (j)	—	
Drawers, cellular, short	prs.	—	100 per cent. for cot ship.
,, flannel, hospital	50 (j)	—	
,, flannel, hospital	prs.	50	
Forks ...	50 (j)	—	
Housewives ...	25 (j)	—	500 per cent. for cot ship.
Knives, table ...	50 (j)	—	
Razors, safety ...	50 (j)	—	
Shirts, angola, drab ...	100 (h) (j)	—	
,, calico, hospital ...	12 (e)	250	500 per cent. for cot ship.
Socks, hospital, brown	prs.	250	
,, worsted ...	100 (h) (j)	—	
Spoons ...	50 (j)	—	
Towels, hand, Turkish ...	100 (j)	—	500 per cent. for cot ship.
Vests, flannel, white ...	12 (e) (s)	250	
<i>Pimlico Section 20</i>			
Shoes, canvas ...	prs. 200 (j)	—	

TABLE 1.—*continued*

Description.	For each vessel.	Remarks.
BOOKS AND PERIODICALS (<i>g</i>)		
Books, educational	(<i>r</i>)	
„ library, vols.	300 (<i>g</i>)	
Military library for officers	1	
Magazines, monthly (<i>n</i>) —		
Cassell's	1	
Chambers' Journal	1	
London	1	
Pearson's	1	
Royal	1	
Strand	1	
Windsor	1	
Bibles	50	
Prayer Books—		
Church of England	50	
Roman Catholic	20	
Presbyterian	20	
Wesleyan	20	
Simple form of prayer	500	
Hymn Books, R.C.	250	
Hymn Books, Ancient and Modern (with music)	2	
Indian Military Almanac	100	For vessels proceeding to India
REGULATIONS, ETC. (<i>r</i>)		
Army List, Monthly	1	
Allowance Regulations	1	
Equipment Regulations, Part I	1	
Financial Instructions	1	
King's Regulations	1	
Manual of Military Law	1	
Pay Duties Manual	1	
Voyage Regulations	1	
Royal Warrant for Pay	1	
Regulations for H.M. Sea Transport Service	1 (<i>t</i>)	
Instructions for Master of Transports	1 (<i>t</i>)	Whichever is applicable.
or		
Instructions for Masters of Freightships		
Army Orders Monthly, complete for filing (with all publications issued with Army Orders)	1	
STATIONERY, ETC.		
Duplicator, flat, Ellam's (with accessories)	1	
Machines, typewriting (brief size)	—	{ 1 when the total number of adults embarked is not less than 250 or more than 500; 2 when the total number of adults embarked exceeds 500.

FOOTNOTES TO TABLE 1.

(a) 10 per cent. of unarmed strength on board (except invalids and time-expired men).

(b) To be purchased locally, as required, by D.A.D.O.S., Hilsea, when R.A.O.C. stocks are exhausted.

(c) If the initial port of departure of a vessel is elsewhere than Southampton, the O.O. concerned will indent upon the Storeholder, R.A.O.C. Depot, Minden Barracks, Royal Crescent Road, Southampton, for these stores.

(d) 10 pairs only for freightships.

(e) For freightships only. For each 100 men on board.

(f) Complete boxes only to be shipped.

(g) If the initial port of departure of a vessel is elsewhere than Southampton, the O.O. concerned will indent upon the Storeholder, Ordnance Depot, Minden Barracks, Royal Crescent Road, Southampton, for the books and periodicals required.

(h) For issue on repayment to troops coming home from a hot climate.

(i) For use of assistants to bakers and cooks.

(j) For issue on payment to troops requiring replacements owing to loss or deficiency (*see* para. 141).

(k) For each transport with exposed sentry posts.

(l) The proportion of each type of headdress and the number of khaki drill suits of Indian and Imperial pattern to be placed on board will be decided by the O.O., having regard to the number of days during the voyage the ship is to be occupied by troops for Indian and Colonial Stations respectively.

(m) Hats, pith, and Indian pattern khaki drill suits will be obtained from the India Stores Department, and will not be issued to personnel proceeding to stations other than India.

(n) Complete series will be issued.

(o) For use of personnel posted for duty on the transport.

(p) If the initial port of departure of a vessel is elsewhere than Southampton, the O.O. concerned will indent upon the Storeholder, Ordnance Depot, Minden Barracks, Royal Crescent Road, Southampton, for the regulations, etc., required. 8 sets of these regulations, etc., will be held by the Embarkation Commandant, Southampton, who will arrange for them to be kept up-to-date.

(q) For troops freightships the proportion will be :—

When the number of troops embarked does not exceed 500	...	...	...	...	Vols.
When the number of troops embarked exceeds 500	...	...	...	...	100
					200

(r) A unit library and certain selected books. *See* Educational Training.

(s) Vests, flannel, ordinary, will be issued in lieu until stocks are used up.

(t) To be obtained from the Director of Sea Transport, Mercantile Marine Department, Board of Trade.

HIRED TRANSPORTS AND FREIGHTSHIPS CONVEYING HORSES OR MULES

TABLE 2.—Stores to be placed on board by the R.A.O.C.

All horse gear and horse fittings not included in the following list will be supplied under arrangements to be made by the Director of Sea Transport, Mercantile Marine Department, Board of Trade. For detail, *see* the Board of Trade Sea Transport Regulations, a copy of which is placed on board, under Table 1.

Description.	In "Transports" and "Freightships conveying animals accompanying units."	In "Remount Freightships."
<i>Section B.2</i> Cases, horse-killer, .310-in., Mk. I* } Horse-killers, .310-in., Mk. I ... } Pistols, revolver, No. 1— } Rods, cleaning, No. 2, Mk. I }	1 for each ship.	1 for each ship.
<i>Section D.1</i> Clippers, horse Machines, horse-clipping	4 for every 100 animals. 1 for each vessel when the number of animals shipped does not exceed 200. 2 for each vessel when the number of animals exceeds 200.	Supplied by ship-owners. Clippers, horse, supplied by ship-owners.
<i>Section D.2</i> Nails, horseshoe ... sets Shoes, horse Shoes, mule	40 for every 100 animals. 5 for every 100 horses (sizes as required). 5 for every 100 mules (sizes as required).	40 for every 100 animals. 5 for every 100 horses (sizes as required). 5 for every 100 mules (sizes as required).
<i>Section F</i> Farriers tools ... sets	3 for each ship.	3 for each ship.
<i>Section I.</i> Machines, chaff-cutting ...	1 for every 200 animals or less.	Nil.
<i>Section Q.1</i> Cartridges, small arm, ball, .310-in., Mk. Iz ...	50 for each ship.	50 for each ship.
<i>N.I.V.</i> Corn crushers	1 for each ship.	Nil.
<i>Veterinary Stores</i> Field Veterinary chest, "Officers" (a) (b) ... Veterinary chest, H.T. (b) Oil, linseed (pints. 40) (b) drums	1 for each ship. 1 for each ship. 1 for each ship.	1 for each ship. 1 for each ship. 1 for each ship.

(a) Only issued when a veterinary officer accompanies the animals.

(b) To be demanded from Army Veterinary Stores, Woolwich.

APPENDIX 32

(Referred to in para. 344)

REPAIR OF FIELD RANGEFINDERS

1. All rangefinders in possession of units will be inspected annually by the R.A.O.C. under Regulations for Army Ordnance Services, Part I.

Range-finders, infantry, No. 2, will be tested once in every six months under arrangements to be made by brigade commanders. A fully qualified officer will be selected to superintend. The test will be carried out in accordance with the instructions in the Handbook of the Range-finder, Infantry, No. 2.

2. When instruments are found to require repairs or adjustments which cannot be carried out by the unit (*see* handbook of the instrument), an indent on A.F. G 1045 in triplicate, showing the nature of the repairs required, will be forwarded to the D.A.D.O.S., who will, if possible, arrange for the work to be carried out locally under para. 5.

3. When the repairs cannot be carried out locally the unit will be instructed to return the defective instruments to store and to indent for fresh ones. The defective instruments will be sent to Woolwich by the O.O.

The registered numbers of instruments will be quoted on all vouchers and indents.

4. Instruments despatched either to or from an ordnance depot will be very carefully packed. The instruments, in their cases, will be packed with tow, hay, or other suitable material, in a wooden box. The box should be marked conspicuously "Glass, with care," and should contain a packing note (A.F. G 1028) duly completed.

5. Range-finders, Infantry, No. 2, may be repaired locally under supervision of an O.M.E. as follows:—

Instruments.—All ordinary repairs which do not necessitate the separate adjustment of the prisms forming the centre combination.

Stands and cases.—All repairs

APPENDIX 33

*(Referred to in para. 398)*NUMBER OF OPTICAL LANTERNS, SCREENS AND FRAMES
AUTHORIZED TO BE HELD BY COMMANDS

Commands.	Lanterns.	Screens.*	Frames.*
Aldershot	18	18	18
Eastern (including London District)	32	32	32
Northern	10	10	10
Scottish	7	7	7
Southern	16	16	16
Western	10	10	10
Guernsey	1	1	1
Jersey	1	1	1
N. Ireland	5	5	5
Bermuda	1	1	1
Ceylon	1	1	1
China	2	2	2
Egypt	5	5	5
Gibraltar	2	2	2
Jamaica	1	1	1
Malaya	1	1	1
Malta	2	2	2
Mauritius	1	1	1

* To be provided locally at a total cost not exceeding £1 10s. for a complete screen and frame.

APPENDIX 34

(Referred to in para. 398)

INSTRUCTIONS FOR THE MANIPULATION OF OPTICAL LANTERNS

A.—The Electric Lantern**B.—The Acetylene Lantern****A.—THE ELECTRIC LANTERN****1. The Arc, parallel type.**

The following procedure will be adopted :—

- (a) Connect resistance with the arc lamp.
- (b) Place carbons in holders, making sure that they are of equal length. For direct current one large (diameter 6 MM.) and one small (diameter 5 MM.) carbons will be used. For alternating current two 5 mm. carbons are necessary.
- (c) Place plug in ordinary lamp holder of hall supply.
- (d) To light lamp, switch on the current and very lightly touch the points of both carbons simultaneously with a spare piece of carbon, and rapidly draw it away.

NOTE.—See that the points of the carbons are well in advance of the porcelain plate.

- (e) *Fixing Wires.*—The wire from the positive pole will be fitted to the terminal connected with the larger (or 6 mm.) carbon, otherwise the carbons will burn unevenly.

To ascertain which is the positive pole, light up the lamp, let it burn for a few minutes, blow out, and note which carbon remains red hot the longest ; if the small carbon, then the connections are wrong, and will be reversed.

- (f) *Adjustment of Carbons.*—The carbons will be fed regularly to keep the ends even with the wire guards fixed to the stone block. The space allowed for air resistance has been carefully calculated, therefore if the carbons are too far forward they will be too close together, and the arc may break between them. Further, if they are allowed to burn back into the stone block the heat will split it. Such an accident, however, does not impair the working of the lamp, as it may be temporarily repaired by binding it with a piece of wire.

2. Lenses

Objective Lens

It will be kept out of the lantern in a safe place, except when required for use.

To strip the objective lens for cleaning purposes, unscrew only one component at a time. After cleaning, replace.

The second component can then be unscrewed, cleaned and replaced.

This care is necessary if misplacement of component parts is to be avoided.

In replacing the components, great care must be taken to replace each one so that its most convex side faces the screen.

The components of the objective lens will be carefully cleaned and polished with a clean, dry, soft cloth immediately before using. They must not be breathed on during cleaning.

Condensers

They should be cleaned and polished in the same manner as the objective lenses.

In replacing the condensers into their mount, care must be taken to see that the convex sides face each other.

NOTE.—To ensure the projection of a clear picture, the illuminant in use will be lit 10 minutes before the lecture commences. This procedure allows the beam of light to pass through the condenser and objective lenses. Any moisture that may have collected will be dispersed.

B. THE ACETYLENE LANTERN

Preparation of the Generator.

Lift out the gas bell with the left hand, and with the right remove the carbide container from the centre of the bell. To do this, unscrew the milled head on the inside of the bell, then a turn to the right will release it from the bayonet catch, and the container can be withdrawn.

Lift out from the container the vertical rod on which 10 loose cells are threaded, and distribute a charge of pure carbide of calcium, $\frac{1}{2}$ -in. gauge ($1\frac{1}{2}$ lb. to $1\frac{3}{4}$ lb.) equally among the 10 cells.

Lower the rod and cells into the container, replace the container in the bell, turning it to the left so as to fasten it in the bayonet catch, then screw the milled head so as to clamp the container to the inside of the bell.

Fill the outer chamber of the generator with water to within $3\frac{1}{2}$ in. of the top rim, taking great care not to let any water run down the two upright tubes.

Before placing the bell in the water, all connections will be made, *i.e.*—

- (a) The purifier will be put on the nozzle of the generator.
- (b) The flexible tube will be fitted on to generator and also the 4-burner jet.
- (c) The taps of the jet will be turned on.

The tap of the generator will then be turned off and the bell placed in the water, care being taken to see that the large and small tubes in the bell fit over the large and small tubes in the water vessel.

Having placed the bell in the water vessel, allow it to sink unaided until it automatically stops. This operation allows the air to escape through the nipples of the jet.

Lighting up

When it is desired to light up, turn on the tap of the generator ; the bell will sink a little lower, and the water will find its way to the carbide. Allow the gas to generate for about half a minute, then light up in the usual way. It will be found that the first lot of gas generated gives a very poor light ; this is due to the air left in the bell, which mixes with the gas and dilutes it ; this gas will be used for testing and centring the jet, etc., before starting an exhibition. After the bell has gone down and has come up again the light will be at its best, and will remain so till all the carbide is exhausted.

Stopping for an Interval

If you wish to stop the generation of the gas for an interval, inspect the generator and see the position of the bell : if it is fairly out of the water turn off the tap at the generator ; if it is low in the water wait a moment or two until the bell rises before turning off the tap at the generator ; it will be found that the gas continues burning, then turn out two of the burners at the jet, and allow the gas to burn itself out through the remaining two burners. When the light is out, turn off the other two taps of the jet. You may then leave it safely for any length of time. To re-commence, turn on the tap at the generator, and then turn on the taps at the jet and light up.

Cleaning the Generator after use

After use remove the carbide cells ; any dry carbide remaining will be returned to the tin for future use, but any that has been wetted must be thrown away.

At the side of the container is a flattened tube open at the top, having a hole in the outer side about $3\frac{1}{2}$ in. from the top,

and other holes on the inside near the bottom, through which the water passes to reach the carbide. See that this tube does not get choked ; should it do so it can easily be washed out with water. or, if necessary, a wire pushed down to clear it.

Thoroughly dry all parts of the apparatus, taking care that the outer water vessel is turned upside down so as to drain the water out of the tubes. If at any time these tubes should get blocked by rust, it is only necessary to unscrew the plugs underneath the generator and clear the obstruction, replacing the plugs with a little white lead to make a good gas-tight joint. This will be done at the beginning of each season.

Re-charging

Should it be necessary to re-charge the generator during the evening, carry it out of the room, and have a spare container and cells ready to replace those used. A little water should also be ready to replenish the generator.

NOTE.—Care will be taken after unpacking the generator to see that none of the packing material has got in the tubes or tap of the generator.

When the generator has been charged do not place it directly underneath the lantern, but place it well to the front of it.

While the apparatus is working, it requires no attention whatever, so that the whole of the operator's attention can be given to inserting the slides.

If the generator is only required for a half-hour lecture, always fully charge it, as the weight makes a difference to the quality of the light.

It is very important that the right kind of carbide be used ; always charge the generator with pure $\frac{1}{2}$ -in. gauge carbide, and on no account must chemically-treated carbide be used.

It will be noticed that though long printed directions appear to make the manipulation complicated, it is really simplicity itself. Apart from the mere putting in of the carbide and the water, it simply comes to this : when required to light up, turn on the generator tap, and at all other times keep it turned off.

APPENDIX 35

*(Referred to in para. 374)*DRAWING INSTRUMENTS FOR USE IN OFFICES IN WHICH A
GENERAL STAFF ASSISTANT IS EMPLOYED

Description.	Number.
<i>Section F</i>	
Brushes, paint, 1 knot, 3 oz.	2
Scissors, paperhangers pr.	1
<i>Section V.2</i>	
Boards {drawing, imperial	1
Boards {sketching {common	1
Boards {sketching {Mk. IV	1
Compasses {magnetic, plane table, Mk. II	1
Compasses {prismatic, Mk. VIII (a)	1
Compasses {proportional, 6-in.	1
Instruments, drawing, G.S., Mk. II (or III) ... set	1
Levels, pocket, Mk. IV	1
Protractors, rectangular, 6-in., ivory, A, Mk. III (b) ...	1
Roof pitches, $\frac{1}{4}$ -pitch	1
Rulers, parallel, rolling, 9-in.	1
Rules {architects	1
Rules {sight, 16-in. (or 18-in.)	1
Scales, math.—	
No. 5	1
No. 8 B	1
Set-squares, celluloid, 6-in., 45°	1
Straight edges, 48-in. (c)	1
T-squares, 36-in., mahogany	1
Tables, plane, portable, Mk. II	1
Tapes, measuring, metallic woven, 50-ft., Mk. II (or I) ...	2
<i>Section W.1</i>	
Rods, measuring, common, 6-ft., Mk. I	1

(a) With "Cases, compass, prismatic, A."

(b) When stocks of "Protractors, rectangular, 6-in., wood, A, Mk. II" are used up.

(c) When stock is exhausted will be replaced by 45-in.

APPENDIX 36

(Referred to in para. 323)

STORES FOR ANTI-GAS TRAINING AND REPAIR OF RESPIRATORS

The scale of stores for anti-gas training shown in Table I is approved for all units of the Regular Army who have an anti-gas instructor who has qualified at the Anti-gas Wing of the Small Arms School.

TABLE 1

<i>Section A.2</i>			
Capsules, lachrymatory	...		120 per annum for every 100 men or less (for demonstrating and for fitting and testing of respirators in gas chambers).
Wires, binding, 18 S.W.G., 11-in. lengths	...	...	500 11-in. lengths for every 100 men or less. (For re-wiring containers after disinfection of facepieces).
Tape, adhesive, $\frac{1}{2}$ -in.	...	...	500 $\frac{1}{2}$ -in. lengths for every 100 men or less. (For covering ends of binding wire).
Tools, detaching, Mk. I	...		1 for every 100 men or less. (For changing respirator containers).
<i>Section F</i>			
Pliers, side-cutting, 6-in.	...		1 for every 100 men or less.

The additional stores for anti-gas training shown in Table II are approved for regular units of Infantry, Cavalry, R.A., R.E., R.T.C. and depots of the R.A.S.C., R.A.M.C., and R.A.O.C., and field units of the R. Signals who have an anti-gas instructor who has qualified at the Anti-gas Wing of the Small Arms School.

TABLE II

<i>Section A.2</i>			
Cloth, union, anti-gas, Mk. I	...		18 yds. for every 500 men or less, <i>i.e.</i> sufficient to fix up a dug-out with two entrances, each having a double curtain. Also for curtains for improvised gas chamber.
Rattles, trench	...	...	1 for every 100 men or less except Cavalry regiments and Infantry battalions (for lecture purposes and gas alarm practice).

NOTES

(i) Where two or more units are in close proximity to each other, dugouts and chambers on the scale of one of each for every six units should suffice.

(ii) A diagram of the respirator will be provided for each unit for lecture purposes.

(iii) One copy of each of the following books will be available at each Command Headquarters Reference Library:—

Chemical Warfare (Fries and West).

Medical History of the War, Volume II.

TABLE III

The following stores are authorized for unit repairs under para. 331 and will be indented for as required :—

Section A.2		
Respirators, Anti-gas :—		
Harness, No. 3, Mk. I ...	}	Changing head harness facepieces, Mk. III.
Loops, Mk. I ...		
Tags, Mk. I ...		
Harness, No. 4, Mk. II ...	}	Changing head harness facepieces, Mk. IV.
Loops, Mk. II ...		
Tags, Mk. II ...		
Valves, inlet, No. 1. Mk. I		Replacement of defective valves in Containers, Type A.
Containers, Type A,		Replacement of defective Containers.
Mks. II and III ...		

APPENDIX 37

(Referred to in para. 323)

LACHRYMATORY (C.A.P.) CAPSULES FOR ANTI-GAS TRAINING

1. Method of Use

(a) Lachrymatory capsules are issued for the purposes of anti-gas instruction and the fitting of respirators. These are gelatine capsules, Mk. I, for use at stations at home, or glass capsules, Mk. II or Mk. III, for use at stations abroad.

(b) Each capsule is sufficient to produce a concentration suitable for the fitting of respirators, viz. one part of lachrymator in 1,000,000 parts of air when used in a chamber or dug-out of 1,000 cubic feet capacity. Since, however, the usual anti-gas chamber or dug-out is rarely gas-tight, the capsules should be used on a scale of two for each 1,000 cubic feet, but should not be used in excess of this proportion.

(c) In the case of capsules, lachrymatory, Mk. I, the end of the capsule should be pricked with a pin before use ; with capsule, lachrymatory, Mk. II, the stem of the glass bulb must be broken off before use, either by using pliers or by filing a nick in it and then snapping it off with the fingers. In later issues of Mk. II, and in the case of the Mk. III capsule, which is now superseding the Mk. II, a tip breaker, consisting of a piece of thick glass tubing, 2 in. in length, $\frac{1}{4}$ in. diameter, will be found in each cylinder of capsules. The glass stem of the capsule should be inserted in the tip breaker and the point snapped off. The bulb will then be placed on a tin lid in the chamber or dug-out, and a spirit lamp or (if this is not available) a candle lit directly underneath. The heat from the lamp or candle will vaporize the lachrymator, and vaporization should be complete within a few minutes. Care

should be taken that the tin lid does not become red hot, or that the capsule does not come in contact with a naked flame, either of which will cause ignition and result in all lachrymatory effects being lost. A fan should be employed, if available, in the chamber or dug-out to ensure a uniform lachrymatory atmosphere. The gelatine or glass bulb must not be heated in any case without pricking the gelatine capsule or breaking off the stem of the glass one.

(d) The container, type A, Mk. II or III affords complete protection against the lachrymator generated by heating the capsules.

2. Instructions and Precautions for Storage and Handling

(a) Capsules, lachrymatory, Mk. I, will be stored in a cool place. While in store their temperature must not be allowed to exceed 45° C. (113° F.).

(b) *Capsules, lachrymatory, Mk. I, II and III.*—Especial care must be taken in handling capsules, Mk. I, and in opening capsules, Mk. II and III, in order to avoid contact of the contained lachrymatory substance with the skin. Should this happen, the lachrymatory substance must be thoroughly scrubbed off with soap and water, as soon as possible, for if allowed to remain on the skin it may produce severe dermatitis.

If, in spite of scrubbing, any irritation should subsequently develop, it is best allayed by bathing the parts affected with hot water, and then applying olive oil liberally.

APPENDIX 38

(Referred to in para. 376.)

VALUE OF STORES WHICH MAY BE DRAWN ANNUALLY BY FORMATIONS FOR CAMOUFLAGE TRAINING

Formation.				Value.		
				£	s.	d.
Field Coy., R.E. (home stations only)	...	...	...	1	19	0
Training Btn., R.E. (Chatham)	...	...	...	19	6	0
S.M.E., Chatham	...	...	...	1	19	0
Tank Battalion (except Depot Btn.) and Central Schools,						
Royal Tank Corps	...	...	...	3	16	0
Cavalry Armoured Car Regiment	...	...	...	3	16	0
Armoured Car Company	...	...	...	1	0	0
Machine Gun School, Netheravon	...	...	...	7	18	0
Small Arms School, Hythe	...	...	...	7	18	0

Notes.—(i) For Egypt 6 per cent. will be added to these money values.
(ii) N.I.V. stores required will be obtained through the R.A.O.C.

APPENDIX 39

(Referred to in para. 347 (1))

TOOLS AND STORES FOR INSTRUCTION OF TROOPS IN
MILITARY ENGINEERING

TABLE 1.—Tools for Instruction in Field Works

Description.	Number for each Fortress Company and 58th (Porton) Company.		
	With a strength of 40 or under.	With a strength exceeding 40 but not exceeding 100.	With a strength exceeding 100.
<i>Section F</i>			
Crowbars, 4-ft. 1-in.	1	2	4
Grindstones, F.S.	1	1	2
Levels, spirit, rule	1	1	2
Pliers, side-cutting, 8-in. ... pr.	2	4	6
<i>Section J</i>			
Axes { felling	1	2	4
{ hand	2	3	6
Axes, pick { heads	25	50	100
{ helves	25	50	100
Hooks, bill	5	10	20
Mauls { heads, Mk. V (or VI)	1	2	4
{ helves, Mk. I (or II)	1	2	4
Shovels, R.E.	25	50	100
Spades, Mk. III	3	5	10
<i>Section K</i>			
Gloves, hedging prs.	4	6	8
<i>Section V.2</i>			
Tapes, measuring, metallic woven, 50-ft., Mk. I (or II)	1	1	2
<i>Section W.1</i>			
Cutters, wire, folding	2	2	2
Hose, canvas, 2 in. × 30 ft. lengths	1	1	2
Hose, prepared canvas, 1½-in. × 12 ft. lengths	4	4	8
Hose-wrenches, P, Mk. II	2	2	4
Levels, F.S., Mk. IV	1	2	4
Pumps, lift and force, Mk. V	1	1	2
Rods, measuring, common, 6 ft.	2	5	10
Strainers, suction hose, P, Mk. III	1	1	2
Tapes, tracing, Mk. I	2	5	10

TABLE 1.—*continued*

Description.	Number for each Fortress Company and 58th (Porton) Company.		
	With a strength of 40 or under.	With a strength exceeding 40 but not exceeding 100.	With a strength exceeding 100.
<i>Section W.2</i>			
Batteries, inert, O, ten-cell, Mk. I ...	2	2	4
Boxes, testing and jointing, filled, No. 2, Mk. I (a) ...	1	1	2
Cable, electric, E.1, Mk. II (b) miles	$\frac{1}{2}$	$\frac{1}{2}$	1
Cells, inert, S, Mk. I (c) ...	1	1	2
Exploders, dynamo, Mk. V* ...	1	1	2

(a) Not more than 1 bobbin ($\frac{1}{2}$ dwt.) of wire, electric, X 0016(48) contained in this box may be expended by each unit annually.

(b) 100 yds. may be expended annually.

(c) For Box, safety test cell, S, issued with Boxes, testing and jointing, filled, No. 2. The maintenance of these cells will be met out of the allowance authorized under para. 347 (3).

TABLE 2.—**Bridging, Mining and Railway Stores**

(*Referred to in para. 347 (2)*)

Description.					Bridging Stores.	Mining Plant.	Railway Plant.
<i>Section E.2</i>							
Boathooks, 11 ft. 7 $\frac{1}{2}$ -in. ...	...	...	...	...	2	—	—
Decking, assault bridge, Mk. II.(a) ...	...	...	...	...	10	—	—
Floats, kapok, assault bridge(a) ...	...	...	...	...	9	—	—
Pins, fixing assault bridge Mk. I ...	...	...	...	...	18	—	—
Or Bolts, fixing assault bridge, Mk. I.							
Sticks, rack ...	...	...	...	...	48	—	—
Transoms, assault bridge, Mk. II(a) ...	...	...	...	...	9	—	—
<i>Section E.3</i>							
Blocks, tackle, G.S. Mk. I	3-in.	double	...	...	2	—	—
		treble	...	...	2	—	—
		snatch	...	...	2	—	—
	2-in.	double	...	...	2	—	—
		treble	...	...	2	—	—
		snatch	...	...	2	—	—

(a) These items are not included in 3 of the bridging sets allotted to Scottish Command and in 1 bridging set allotted to Western Command. In the case of Egypt 4 sets of these stores only are authorized (*see* para. 347 (2)).

TABLE 2.—continued

Description.	Bridging Stores.	Mining Plant.	Railway Plant.
<i>Section E.3—continued</i>			
Posts, picket, 5-ft., Mk. III	40	—	—
Rope, galvanized, 3-in. fms.	80	—	—
<i>Section E.4</i>			
Lifebuoys, Cork	2 (a)	—	—
<i>Section E.5</i>			
Dogs, railway and sawyers, straight, Mk. III, 15-in.	100	—	—
<i>Section F</i>			
Augers { 2-in.	2	—	—
Augers { 1½-in. (or 1½-in.)	2	—	—
Augers { 1-in.	2	—	—
Augers, handles, large { 18-in.	2	—	—
Augers, handles, large { 16-in.	2	—	—
Cans, oil, lubricating, ½-pint (b)	—	2	—
Crowbars, 2-ft. 3-in.	—	—	4
Gimlets, twist No. 4	2	—	—
Hammers { engineers' ball-pane, 8 oz. (c)	—	2	—
Hammers { carpenters', claw, 1 lb. 8 oz.	4	—	—
Hammers { sledge, double-faced, 5-lb.	—	4	—
Hammers { smiths', hand	—	—	1
Mallets, carpenters'	2	—	—
Saws, cross-cut, 5-ft.	1	—	—
Spanners { adjustable, 11-in.	—	—	1
Spanners { double-ended, ¾-in. and ½-in.	—	—	2
<i>Section H.2</i>			
Cordage, hemp hawser, 3-strand, tarred or white	3-in. { 100 fms. (falls)	3	—
		12	—
		4	—
		12	—
	2½-in. { 6 fms. (slings)	8	—
		3	—
	2-in. { 50 fms. (falls)	50	—
		50	—
		12	—
		150	—
	1½-in. { 6 fms. (lashings)	48	—
		150	—
	1-in. { 3 fms. (braces)	32	—
		6	—
Lines, Hambro'	6	—	—
<i>Section J</i>			
Barrows, wheel, intrenching, Mk. III, with wheels	—	6	—
Mauls { heads, Mk. V (or VI)	4	—	—
Mauls { helves, Mk. I (or II)	4	—	—

(a) Number may be increased at discretion of G.O.C.

(b) Only if Blowers, Mk. VII (Section W.1), are issued.

(c) Or other suitable size if available locally.

TABLE 2.—*continued*

Description.	Bridging Stores.	Mining Plant.	Railway Plant.
<i>Section J—continued</i>			
Covers, waterproof, black G.S. (or tarpaulins)—			
24-ft. × 18-ft.	—	2 (a)	—
18-ft. × 15-ft. (or other suitable size) part worn...	2 (b)	—	—
<i>Section V.2</i>			
Tapes, measuring, metallic woven, 50-ft., Mk. I (or II)	2	—	—
<i>Section W.1</i>			
Apparatus { breathing, No. 1, Mk. I	—	2	—
{ breathing, No. 2, Mk. I	—	4	—
{ driving tube-wells, Mk. I ... set	—	1	—
Augers, earth, 6-in., Mk. I	—	1	—
„ earth, 8-in., Mk. I	—	1	—
Bars, boring and jumping—			
No. 1, Mk. I	—	8	—
No. 2, Mk. I	—	8	—
Baskets (or Buckets), miners, Mk. I	—	4	—
Blowers, Mk. VI (c)	—	2	—
Candlesticks, miners', Mk. I	—	20	—
Caps, knee, miners', Mk. I	pus.	8	—
Dials, miners', Mk. I	—	1	—
Geophones, Mk. I	—	4	—
Hammers, miners', boring, 7-lb., Mk. I	—	4	—
„ miners', sledge, Mk. I	—	2	—
Hose, prepared, canvas (or rubber), 1½-in. × 6, 12 or 20-ft. lengths ft. run.	—	400	—
Hose-wrenches, P, Mk. II	—	4	—
Joists, steel, Mk. I	—	8	—
„ steel, clips, Mk. I	—	16	—
Ladders, miners, 20-ft., Mk. I	—	4	—
Machines, hand-boring, miners, Mk. I	—	1	—
Picks, Hardy, universal, Mk. I	—	8 (d)	—
Rammers, earth, Mk. I	—	2	—
Rods, measuring, common, 6-ft., Mk. I	—	—	1
Shovels, clay kickers, Mk. I	—	2	—
„ miners, Mk. I	—	8	—
Stretchers, mine, Mk. I	—	1	—
Telegeophones, Mk. I (or Seismomicrophones)	—	1	—
Tube-wells, 1½-in., Mk. I	—	1	—
Trucks, miners, Mk. IV	—	8	—
Wedges, miners, Mk. I	—	4	—

(a) Or other suitable size if available locally.

(b) If available locally, temporary issue may be authorized by the G.O.C. if considered desirable for instruction in making floating rafts.

(c) When stock is exhausted will be replaced by "Blowers, Mk. VII" with accessories accounted for separately.

(d) Picks, miners, heads, Mk. I 4

„ „ helves, Mk. I 4

will be issued in lieu of 4 Picks, Hardy, universal, Mk. I, until existing stocks have been used up.

TABLE 2.—*continued*

Description.	Bridging Stores.	Mining Plant.	Railway Plant.
<i>N.I.V.</i>			
Timber—			
For mining cases, and mining frames	—	(a)	—
Planks, spars, etc., various	(a)	—	—
Sheeting, miners pieces	—	(a)	—
<i>Section W.2</i>			
Cells, inert S, Mk. I (b)	—	3	—
,, inert S, Mk. I (spare) (b)	—	3	—
<i>R.E. Stores</i>			
<i>(In R.A.O.C. custody)</i>			
Rails, 9-lb. a yd., 16-ft. 5-in. lengths	—	—	50
,, 9-lb. a yd., 8-ft 2-in. lengths, curved	—	—	20
Sleepers, single, with clips, bolts, etc., 2-ft. gauge	—	—	145
,, double, with clips, bolts, etc., 2-ft. gauge... ..	—	—	36
Trolleys, 2-ft. gauge	—	—	1
Turnouts, complete (1 right hand, 1 left hand) 2-ft. gauge	—	—	2

(a) As required. To be provided locally under para. 348.

(b) For Telegeophones (Section W.1).

Note.—Any barrel pier stores formerly shown under Section No. 29C, also "Casks, water" in possession may be retained until worn out. Any further maintenance which may be considered necessary must, however, be provided out of the amounts allotted under para. 348.

TABLE 3.—Special Bridging Stores

(Referred to in para. 347 (2))

Description of Stores.	No.		Remarks.	
	(a)	(b)		
<i>Section E.3</i>				
Blocks , tackle, G.S., 3-in. Mk. I., treble	—	6	(a) 1 set each to Aldershot, Eastern and Southern Commands, Northern Ireland District, Egypt, Gibraltar, Malta and China.	
Blocks , tackle, G.S. wire rope—				
2-in., single	—	2		
2-in., double	—	1		
2-in., treble	—	3		
2-in., snatch	—	2	(b) Gear for launching box girder bridge in addition to stores in Table 2. 2 sets to Aldershot Command and 1 set each to Eastern, Western, Southern, Northern and Scottish Commands.	
3-in., snatch	—	2		
Jacks , lifting and traversing, screw, 6-tons, Mk. I ...	—	2		
Rope , galvanized—				
1½-in. fms.	60	—		
2-in., 20 fm. lengths ...	—	1	(c) To be provided locally out of the amounts allotted Commands under para. 348.	
2-in., 40 fm. lengths ...	—	1		
2-in., 50 fm. lengths ...	—	1		
2-in., 80 fm. lengths ...	—	2		
5-in. fms.	100	—		
<i>N.I.V.</i>				
Slings , 1½-in. steel wire rope, 4-ft. long (d)	—	6	(d) Materials to be supplied by R.A.O.C. and made up locally.	
Strops , double, 2-in. steel wire rope, 8-ft. long (d)	—	2		
Strops , single, 3-in. steel wire rope, 6-ft. long (d)	—	2		
Strops , single, 2-in. steel wire rope, 30-ft. long (d)	—	2		
Thimbles , hawser, for 2-in. steel wire rope (d)	—	11		
<i>Section F</i>				
Spanners , double-ended—			(e) Or 3 ton in lieu.	
¾-in. and ½-in.	—	6		
½-in. and 1-in.	—	6		
<i>Section G.2.N.I.V.</i>				
Shackles , straight, 1½-in. (d) ...	—	8		
Derriek headrings, including 4 special shackles for head (d) ...	—	1		
Derriek base straps, with 4 shackles 1½-in. (d)	—	1		
<i>R.E. Supply</i>				
Coach screws, ¾-in. × 5-in. ...	—	14(c)		
Clips , bulldog, for 2-in. steel wire rope	—	30		
Derricks , 18-ft. × 10-in. × 10-in. (or 11-in. round)	—	1(c)		
Rollers , special, box girder ...	—	3		
Winches , 2-ton (e)	—	2		

TABLE 4.—Expendable and other stores
(Referred to in paras. 347 (3) and 350)

Description.	For each Cavalry Regiment.	For each Horse or Field Artillery Battery.	For each Heavy or Medium Artillery Battery.	For each Infantry Battalion.	For each Field Squadron or Field Company, R.E.	For each Fortress Company, R.E. (f).	For the Machine Gun School, Netheravon.	For the Small-arms School, Hythe.	For the Royal Tank Corps Centre, Wool.	For the School of Artillery, Larkhill.	Remarks,
EXPENDABLE STORES											
<i>Section G.1</i>	3(a)	—	—	—	—	—	—	—	—	—	—
Nails, iron, spike, 7-in. lb.											
" steel, clasp, cut, 2-in. "											
<i>Section G.2</i>	30 (a)	—	100 (a)	—	—	—	—	—	—	—	—
Wire, steel, No. 14, S.W.G., galvanized ... lb.											
Wire, steel, No. 14, S.W.G. "											
" steel, No. 24, S.W.G. "	—	—	—	5 (a)	—	—	—	—	—	—	—
<i>Section H.1</i>	—	—	—	—	—	—	—	—	—	—	Local purchase.
Chalk, white ... lb.											
" prepared, white boxes											

Section H.2									
Cordage, spun yarn, hemp, tarred, 3-thread ... lb.									
Twine, sail ...	10 (a)	14 (a)	—	—	14 (a)	—	—	—	—
	—	—	—	—	8 (a)	—	—	—	—
Section W.1									
Expanded metal ... sheets	—	—	25 (a)	100 (a)	10 (g)	—	—	—	—
Sandbags ...	—	—	—	—	250 (a)	—	—	—	—
Wire, barbed, No. 14, S.W.G. lb.	—	—	—	—	504 (b)	504* (b)	224 (b)	224 (b)	1,904 (b)
Wire entanglements bundles	—	—	—	—	6 (z)	6* (z)	6 (z)	12 (z)	—
Not in Vocabulary									
Brushwood—	40 (a)	—	1 (f)	—	1 (f)	—	—	—	—
Fascines (e) } bundles ...	—	—	—	—	—	—	—	—	—
Gabions (e) }	—	—	—	—	—	—	—	—	—
Pickets, brushwood ...	(h)	(h)	(h)	(h)	(h)	—	—	—	—
Profiling stuff, 1½-in. × ½-in. ...	(d)	(d)	(d)	(d)	(d)	—	—	—	—
Rope or cordage, old ... lb.	14 (a)	14 (a)	—	—	28 (a)	—	—	—	—
Straw ...	20 (a)	—	—	—	—	—	—	—	—
Section W.1									
Pickets, angle, short, Mk. III	—	—	—	—	25	25	13	13	125
" angle, medium, Mk. I	—	—	—	—	100	100	50	50	500
" angle, long, Mk. I	—	—	—	—	50	50	25	25	250
" screw, short, Mk. II	—	—	—	—	130	130	70	280	650
" screw, long, Mk. I	—	—	—	—	65	65	35	140	325

NON-EXPENDABLE STORES

(a) Annual allowance.
 (b) 50 per cent. only may be expended annually.

(c) Scales for Fortress Companies (including 58th (Porton) Company, R.E.) will be :—

—	Strength exceeding		
	20 and under 40	40 and under 100	100
Pickets, angle, short, Mk. III ...	8	10	15
„ angle, medium, Mk. I ...	14	20	30
„ angle, long, Mk. I ...	7	10	15
„ screw, short, Mk. I ...	26	36	50
„ screw, long, Mk. I ...	13	18	25
Wire, barbed, No. 14, S.W.G. 1b.	112* (b)	168* (b)	224* (b)

(d) To be provided locally, as necessary, under para. 348.

(e) Alternative issue, as desired.

(f) Annually. For each man exercised, to be provided locally.

(g) If brushwood is expensive.

(h) To be provided locally, as necessary.

(i) 30 per cent. only may be expended annually.

(j) Including 58th (Porton) Company.

* Maintenance will be met out of annual allowance authorized under para. 347 (3).

TABLE 5.—Explosives

(Referred to in para. 347 (3))

Under consideration. Scales will be published from time to time by A.C.Is.

APPENDIX 40

(Referred to in para. 378)

BOXES, CLOTHING

	Number for each unit.
Cavalry regiments—	
Household Cavalry	4
Other regiments	1
Royal Artillery—	
{ Aldershot	1
{ Woolwich	1
{ Bulford	1
{ Portsmouth	1
Royal Engineer Band, Chatham	1
Foot Guards—	
Battalions	2
Depot	1
Infantry battalions	1

APPENDIX 41

DETAIL OF ACCESSORIES OF A PANNIER, MEDICAL COMFORT
(For contents, see *Field Service Manual, The Medical Services of the Army.*)

Description.	Number.	Remarks.	
<i>Section J</i>			
Bottles, tin, methylated spirits ...	1	} These articles will be held on separate ledger charge	
Warmers, food, spirit lamp ...	1		
<i>Section L</i>			
Corkscrews (a)	2		
Knives, opening tin	2		
Measures, tin {	$\frac{1}{2}$ pint		1
	1 pint		1
	$\frac{1}{2}$ gill		1
	1 gill		1
	<i>Pimlico Section No. 19</i>		
Knives, table	1		

(a) To be provided locally.

APPENDIX 42

(Referred to in para. 35)

FREE ISSUE OF REVOLVERS, BINOCULARS AND PRISMATIC COMPASSES TO OFFICERS ON FIRST APPOINTMENT TO PERMANENT COMMISSIONS IN THE REGULAR ARMY

1. Free initial issues of the items authorized by para. 35 will be made as follows :—

Item.	Cavalry.	R.A.	R.E.	R. Signals.	Infantry and Foot Guards.	R.T.C.	R.A.S.C.	R.A.M.C. and A.D.C. Corps.	R.A.O.C.	R.A.V.C.	A.E.C.
Revolvers ...	1	1	1	1	1	1	1	(a)	1	1	1
Binoculars, prismatic—											
No. 3, Mk. I ...	—	—	—	—	—	—	1	1	1	1	1
No. 3, Mk. II ...	1	—	1	1	1	1	—	—	—	—	—
No. 2, Mk. II ...	—	1	—	—	—	—	—	—	—	—	—
Compasses, prismatic, liquid, Mk. II (b) ...	—	1	1	1	—	—	—	—	—	—	—
Compasses, prismatic, Mk. VIII (b) ...	1	—	—	—	1	1	1	1	1	1	1

(a) Revolvers will not be issued to officers of the R.A.M.C. and A.D. Corps, but issue on loan may be authorized to such officers when serving in an area of active operations, provided the G.O.C. determines that such issue is necessary.

(b) Type of case required should be stated on indent.

2. Issue of these items will not be made to directors of music, to the staff for R.E. services, or to officers who have previously had free issues made to them while cadets at the Royal Military Academy or Royal Military College.

3. Issues will be made by the R.A.O.C. on receipt of indent from the officer's Commanding Officer. Such indents must show the names of the officers for whom the articles are demanded. Indents will be submitted within three months from the date on which the officer is first appointed to a commission, except in the case of officers of the R.A.M.C. and the A.D. Corps, for whom indents will be submitted within three months from date of confirmation of their rank.

4. The articles will be brought on charge in the equipment account and the issue in that account will be supported by the officer's receipt.

5. Revolvers, binoculars and compasses will, on issue to officers, be marked with the "Sale Mark" and will be maintained in a serviceable condition by officers at their own expense.

At stations abroad officers may be allowed to have any necessary repairs to these articles carried out on repayment in R.A.O.C. workshops, provided that no other suitable facilities exist. The full cost of repair (*vide* R.A.O.S., Part I, 1929, para. 92A), will be charged to the officer.

(Referred to in paras. 221 and 380.)

WAR SCALE OF ILLUMINANTS AND WICK REQUIRED FOR LAMPS, ETC., IN WAR EQUIPMENTS

Description of Lamps, etc.	Illuminant for each lamp, etc.			Wick for each lamp, etc.		
	Description.	Quantity for one filling.	Quantity to be issued on Mobilization = 4 days' supply.	Description.	Quantity for one filling.	Quantity to be issued on mobilization.
<i>Section C.2</i> Lamps, bicycle, front ...	Oil, kerosene	$\frac{1}{2}$ gill	1 pint	Flat, $\frac{3}{8}$ -in. (solid)	4 in.	8 in.
<i>Section F</i> Lamps, brazing { 5 pint, Mk. I ... " spirit, blowpipe ... " spirit, $\frac{1}{2}$ pint ...	Oil, kerosene Methylated spirit, mineralized	4 pints 1 pint $\frac{1}{2}$ pint 1 gill	32 pints 16 pints 6 pints 2 pints	Nil. Round, $\frac{3}{8}$ -in. Round, $\frac{3}{8}$ -in.	Nil. 6 in. 6 in.	Nil. 48 in. 48 in.
<i>Section J</i> Flarelights, { 150 c.p. ... acetylene { 1,000 c.p. ... 2,000 c.p. ... Lamps, acetylene ... " operating, Fld. Ambul- ance, Mk. IV ...	Calcium carbide	1 lb. 18 lb. 27 lb. $\frac{1}{2}$ lb. 1 lb.	6 lb. 48 lb. 72 lb. 4 lb. 10 lb.	Nil.	Nil.	Nil.
<i>Section L</i> Lamps, barrack, standing ... " hurricane ...	Oil, kerosene	$1\frac{1}{2}$ pints 1 pint	4 pints 4 pints	Flat, $\frac{7}{8}$ -in. Flat, $\frac{3}{8}$ -in.	8 in. 8 in.	24 in. 24 in.
<i>N.I.V.</i> Lamps, Blanchard, 500 c.p. ... " hand, acetylene ... " operating, acetylene, large	Oil, kerosene Calcium carbide	8 pints 10 oz. 3 lb.	24 pints 2 lb. 40 lb.	Nil. Nil.	Nil. Nil.	Nil. Nil.
<i>M.T. Supply</i> Lamps, blow brazing, $1\frac{1}{2}$ pints ... " for vulcanizers, standard " "A" ... " for vulcanizers, major or minor ...	Oil, kerosene	$1\frac{1}{2}$ pints — —	28 pints 56 pints 72 pints	Nil.	Nil.	Nil.

APPENDIX 44

(Referred to in paras. 76 and 399)

DANGEROUS STORES

The stores mentioned in this appendix must be kept separate from other stores, but all may be stored together except matches and calcium carbide. Care must be taken that all packages are sound and that the precautions given in column 3 for "Dangerous, Corrosive, and Poisonous Chemicals," and "Dangerous Miscellaneous" items are observed.

Varnishes and paints which have become hard or unworkable through cold or long storage must on no account be melted by heat, as such heating increases the vapour pressure of the varnish or paint, inducing a risk of fire if a naked flame should be near the container. The varnishes, etc., will instead be thinned by successive small additions (not exceeding altogether one-tenth the bulk of the varnish, etc.) of suitable thinners, such as white spirit, methylated spirits, etc., according to the nature of the varnish, etc., under treatment.

When the stores are despatched by rail they must be packed and consigned in accordance with the "Classification of Dangerous Goods by Merchandise Trains," and the conditions laid down therein for each class of goods must be observed. Extracts from the conditions are printed on the cover of A.F. G 996 (Carriers' Note for Explosives and other Dangerous Goods) for the guidance of units not in possession of this publication, and particulars of packing can be ascertained from the Officer i/c Transport or D.A.D.O.S. of the Area when necessary. Dangerous stores in packages as received from the issuing depot or department can be considered as fulfilling the railway packing regulations, *e.g.* paint prepared for use, in cylinders, turpentine, etc., in drums, compressed gases in cylinders.

All vouchers and other documents connected with the issue and transport of these stores will be conspicuously marked in red with the endorsement shown under the different classifications below, and will show the description of the stores and packages.

Packages will be marked or labelled as detailed in the extracts from the conditions printed on the cover of A.F.

G 996 (Carriers' Note). Emptied packages and valves of gas cylinders must be kept securely closed.

When artificial light is necessary in handling these stores only an efficiently protected electric light (fixed or hand lamp) may be used.

1. Inflammable Liquids and Substances—Flashing below 73° Fahrenheit when Tested in Accordance with the Petroleum Act, 1926.

Classification.

(A) Inflammable Liquids and Substances—Class A.

Endorsement on documents—"Highly Inflammable—Class A."

Description.

Benzene.	Naphtha, coal tar.
Bitumastic solution.	Pintoff.
Cement, celluloid.	Solution, rubber.
Cement, R.D.	Varnish for cuirasses.
Ether.	Xylol (a).
Lacquer, dead black.	

(B) Inflammable Liquids Completely Soluble in Water and Compositions made therewith.

Endorsement of documents—"Inflammable Liquids, etc., completely soluble in water."

Description.

Acetone.	Lacquer, pale gold.
Cement, linoleum.	Lacquer, white.
Cement, Pettmans.	Lacquer, special pale gold.
Cement shellac.	Lacquer, special white.
Compass spirit.	Methylated spirits.
Composition adhesive.	Nitre, sweet spirits of.
Engine jointing compound.	Polish, French.
Fluid, jacks.	Varnish, crystal.
Knotting.	Varnish, shellac.
Lacquer, deep gold.	Wine, spirits of pure.

(a) Xylol is classified under the Inflammable Class B when the flash point is known to be above 73° Fahrenheit.

2. Inflammable Liquids and Substances—Flashing below 150° Fahrenheit but not Flashing below 73° Fahrenheit when Tested in Accordance with the Petroleum Act, 1926.

Classification.

Inflammable Liquids and Substances—Class B.

Endorsement of documents—"Inflammable—Class B."

Description.

Driers, liquid, lead free.	Varnish, carriage.
Driers, liquid, terebene.	Varnish, copal (all descriptions).
Paint, enamels.	Varnish for bright work.
Paint prepared for use.	Varnish, Japan, black.
Polish, furniture.	Varnish, Japan, black, special.
Polish, metal.	Varnish, Japan, gold size.
Spirit, white.	Varnish, pine.
Turpentine.	Xylol (b).
Varnish, black, Brunswick.	
Varnish, black tar.	

3. Dangerous, Corrosive and Poisonous Chemicals, and Dangerous Miscellaneous.

Documents must be conspicuously marked in red "Dangerous" and with the nature of the danger involved, such as "highly corrosive," "poisonous," "highly compressed," etc., and with the special precautions to be taken, if any, such as "must be kept dry," "must be kept cool," etc., and show the description of the store and packages.

Packages must be conspicuously marked in red "Dangerous" and the nature of the danger involved, and special precautions, if any, to be taken as in the case of documents above, also with a brief description of the contents. Particulars of the additional marking and labelling required by the railway "Classification of Dangerous Goods" should be obtained from the Officer i/c Transport or D.A.D.O.S. of the Area. All packages must be handled carefully.

(b) Xylol is classified under "Highly Inflammable Class A" when the flash point is known to be below 73° Fahrenheit.

Description.	Nature of Danger.	Precautions.
<i>Section 1</i>		
Acid, carbolic, liquid.	Poisonous, corrosive.	Avoid contact with skin.
Acid, hydrochloric (muriatic).	Poisonous, corrosive.	Avoid contact with skin and clothing.
Acid, nitric.	Poisonous, highly corrosive, may fire combustible matter.	Keep cool, avoid contact with skin, clothing and combustible matter.
Acid, oxalic, solid (or dry).	Poisonous.	—
Acid, sulphuric.	Poisonous, highly corrosive, develops considerable heat with water.	Avoid contact with skin, clothing and water.
Acid, chlorosulphonic }		
Ammonia, liquor, 0·880.	Evolves asphyxiating gas, develops pressure if heated.	Keep cool, securely stoppered and apart from acids.
Arsenic, white.	Highly poisonous.	Dust must not be inhaled nor material allowed to become scattered about.
Ink, celluloid, black. }	Corrosive.	Avoid contact with skin.
Ink, celluloid, violet. }	Poisonous, corrosive.	Avoid contact with skin and clothing.
Solution, bronzing. }		
<i>Section 2</i>		
Acid, oxalic, solution.	Poisonous.	—
Acid, phosphoric, syrupy.	Corrosive.	
Electrolyte.	Poisonous, corrosive.	Avoid contact with skin and clothing.
Electric batteries containing acid. }		
Paste, flux soldering. }	Poisonous, corrosive.	Avoid contact with skin.
Zinc, chloride, solution of. }		
Steel, tincture of, methylated.	Corrosive, evolves inflammable vapour if heated.	To be kept cool.
Dangerous Miscellaneous		
Paint dry—	Develops heat in contact with moist air. Evolves highly inflammable gas in contact with moisture. Liable to develop heat in contact with moist air.	Keep apart from other combustible stores. Must be kept dry. Keep apart from combustible stores.
Black, lamp.		
„ vegetable.		
Calcium carbide.	Readily ignited.	Keep apart from other combustible stores. Avoid friction or blows. Keep apart from acids and combustible stores.
Charcoal, pit.		
Matches, safety. }	Readily ignited.	
Matches, fuzees, safety (or Vesuvian). }		

Description.	Nature of Danger.	Precautions.
Dangerous Miscellaneous— <i>continued</i> Compressed gases in cylinders (c)— Acetylene. Ammonia, anhydrous. Carbonic acid gas. Oxygen. Cinematograph films. Oil dressed clothing. Phosphorus, white, w.p.	 Highly compressed. Highly inflammable. Highly compressed. Asphyxiating. Highly compressed. Intensifies fire. Highly compressed. Readily ignited. Readily ignited. Ignites spontaneously in contact with air.	 Must be kept cool. See para. 53. — Must be kept immersed in water.

(c) Cylinders not provided with a screw cap over the valve must be packed in a cover, cylinder (mat cover),

APPENDIX 45

(Referred to in para. 347 (2))

REGULATIONS FOR TESTING SPARS, ROPES AND CORDAGE

All spars used for instructional bridging should be tested annually. The test load should be the safe working load plus 25 per cent. This should be applied centrally over the longest span which the spar can cover. Pairs of bollards should be fixed in the ground to give clear spans of 10, 15, 20, 30, 35, 40 and 50 ft., and the load should be applied by means of a wire rope extending from a winch to the centre of the spar. In order to measure the load, a "machine, testing and weighing," should be used. One of these is held on charge by the R.A.O.C. in each command for issue on loan when required. The wire rope should be attached to one end of the machine, while to the other a sling should be fixed which should be fastened round the centre of the spar under test. The winch must be fixed to an anchorage amply capable of sustaining the load to be applied to any spar.

The table given below contains the central test load for fir

spars, the modulus of rupture being taken at 6,000 lb. a square inch and the factor of safety at 3.

The test will consist in noting the deflection of the spar under the load, seeing that it is not excessive and that there is no permanent deflection in the spar when the stress is removed. The maximum deflection generally permissible should not exceed about one-eightieth of the span. Spars which show an excessive deflection or a permanent set should be cast. In the case of light spars which are not intended to carry a load, *e.g.* handrails, a greater deflection than that mentioned may be allowed, provided there is no permanent set.

Central Test Loads for Spars

Circumference of spar in inches at its centre.	Loads in cwt.				Circumference of spar in inches at its centre.	Loads in cwt.						
	Span in feet.					Span in feet.						
	10	15	20	30		10	15	20	30	35	40	50
11	3	2	1½	1¼	31	70	46	35	23	20	17½	14
12	4	2½	2	1½	32	78	52	39	26	22	19	15½
13	5	3½	2½	1¾	33	85	56½	42½	29	24	21	17
14	6	4	3	2	34	91	62½	46	31	26	23	18½
15	8	5	4	2½	35	100	68	50	34	29	25	20
16	10	6½	5	3	36	110	74	55	37	31	27	22
17	11	8	5½	4	37	119	80	60	40	34	29	24
18	14	9	7	4½	38	129	86	64	42	37	32	26
19	16	11	8	5½	39	—	94	69	46	41	34	28
20	19	13	9½	6½	40	—	100	75	50	43	37	30
21	21	15	10	7½	41	—	107	80	54	46	40	32
22	25	17	12½	8½	42	—	116	87	58	50	43	35
23	29	19½	14½	10	43	—	125	93	62	53	46	37
24	33	22	16½	11	44	—	—	100	67	57	50	40
25	38	24	19	12	45	—	—	107	72	61	53	43
26	41	28	21	14	46	—	—	114	77	65	57	46
27	46	30½	23	15	47	—	—	122	82	70	60	49
28	52	34	26	17	48	—	—	130	87	75	64	52
29	58	38	29	19	49	—	—	—	92	79	68	55
30	64	42	32	21	50	—	—	—	99	84	73	59

Ropes and Cordage

The test load for ropes and cordage will be the safe working load plus 25 per cent. This may be applied in a manner similar to the test load for spars, use being made of the "machine, testing and weighing," for measuring the load. The rope or cordage should be laid out at full length along the ground, one end being connected to the barrel of the winch

and the other passed through the sheave of a single block and made fast to itself by two half-hitches. The block is hooked into the testing machine. The object of the block, which contains a swivel, is to allow the rope to unlay itself.

For steel wire rope the test loads are given below. These are calculated on the assumption that the breaking strain equals $7/4C^2$ in tons and that a factor of safety of 3 is used. Should the rope be known to be of a superior quality to this, the test loads may be altered accordingly.

Test Loads for Steel Wire Rope

Circumference in inches.	Loads in cwts.
1	14½
1½	33
2	58
2½	90
3	130

It will not be easy to apply test loads to 3-in. ropes and upwards on account of their magnitude. If it is not possible the ropes must be carefully examined throughout their length for signs of weakness. The circumference of worn ropes should be accurately measured and the working load reduced accordingly.

For hemp cordage the test loads are given in the following table. In this the loads are calculated from the two formulæ: C^2 cwt. and $2C^2$ cwts. The actual load to be applied in each case must be determined between these limits according to the condition of the cordage.

Test Loads for Hemp Cordage

Circumference of cordage in inches.	Loads will vary according to condition of cordage.	
	From—	To—
	cwts.	cwts.
1	1½	2½
1½	2½	5½
2	5	10
2½	8	16
3	11½	22½
3½	15½	31
4	20	40

APPENDIX 46

(Referred to in para. 496)

STAMPS, ETC., FOR MARKING

Description.	Guards Depot.	Inftry. Depot.	Rifle Depot.	R.A.M.C. Depot.	Other units and depots.
<i>Section F</i>					
Anvils, 11-lb. (a)	1	1	1	2	1
Hammers, carpenters, Warrington pattern, 8-oz. (b) ...	1	1	1	2	1
Stamps, marking textiles (c)—					
$\frac{1}{2}$ -in. figures, 0 to 8 sets ...	3	3	3	2	1
$\frac{1}{2}$ -in. letters (d) sets ..	1	1	1	2	1
2-in. $\downarrow$...	1	1	1	2	1
$\uparrow$...	2	2	2	4	2
Holders (e) ...					
Stamps, steel for metal—					
$\frac{5}{16}$ -in. figures, 0 to 8, sets (f) ...	1	—	—	—	1
$\frac{5}{16}$ -in. letters (d) sets (f) ...	1	—	—	—	1
$\frac{5}{16}$ -in. dash lines (f) ...	1	—	—	—	1
$\frac{1}{8}$ -in. figures 0 to 8, sets ...	1	1	1	2	1
$\frac{1}{8}$ -in. letters (d) sets ..	1	1	1	2	1
$\frac{1}{8}$ -in. figures 0 to 8 sets set	1	1	1	2	1
$\frac{1}{8}$ -in. letters (d) sets set	1	1	1	2	1
Stamps, steel $\downarrow$, $\frac{1}{8}$ -in. ...	1	1	1	2	1

(a) When "Anvils, 5-lb. 10-oz." are used up.

(b) When "Hammers, riveting, 8-oz." are used up.

(c) When "Stamps, copper, inlaid" are used up.

(d) As required.

(e) When "Typeholders, blocks and type" are used up.

(f) Only issued when armourer is included in peace establishment.

APPENDIX 47

(Referred to in paras. 145, 505, 524 and 526)

MARKING OF SMALL ARMS AND MACHINE GUNS

1.—Issued from store for other than Ordinary Service

(i) EXTRA SERVICE ARMS	...	...	...	...	...	Will be marked by the R.A.O.C. with the distinctive letters of the issuing depot, as laid down in Appendix 49, and with consecutive numbers. They will receive no corps marks, except in the event of their being taken on active service when they will receive corps marks and corps consecutive numbers. The size of the marks and the implements to be used for marking will be as detailed hereafter for arms issued for ordinary service. Will not be marked.
(ii) SMALL ARMS ISSUED ON LOAN FOR TEMPORARY PURPOSES ...						
(iii) SMALL ARMS AND MACHINE GUNS SOLD TO—						
(a) THE ADMIRALTY AND AIR MINISTRY	...	...	...	...	...	Will only be marked as arranged for by the Admiralty and Air Ministry.
(b) THE INDIAN GOVERNMENT	...	...	...	...	...	Will not be specially marked, except in the case of British
FOREIGN POWERS	...	...	...	...	...	Dominions, who may require special markings, e.g. D for
BRITISH DOMINIONS	...	...	...	...	...	Australia, C for Canada, N $\uparrow$ Z for New Zealand, U for
COLONIES	...	...	...	...	...	South Africa.
PROTECTORATES	...	...	...	...	...	Will be marked :—
(c) COUNTY ASSOCIATIONS FOR CADET UNITS	...	...	...	...	...	(i) In the case of rifles and carbines, with the special sale mark S with the letter C on either side, thus C $\rightarrow$ S $\rightarrow$ C . (ii) In the case of other small arms, with the usual sale mark with the letter C on either side, thus C $\rightarrow$ C . Will be marked as in (c), but without the letter C on either side of the sale mark.
(d) ANY PURCHASER OTHER THAN ABOVE *	...	...	...	...	...	Will be marked thus FR .
(iv) CONDEMNED SMALL ARMS AND MACHINE GUNS (INCLUDING D.P. RIFLES WHEN SOLD)	...	...	...	...	...	Will only be marked on mobilization with corps marks and consecutive numbers (see also para. 498).
(v) SMALL ARMS HELD FOR MOBILIZATION	...	...	...	...	...	Will be marked with the usual sale mark thus $\rightarrow$
(vi) PISTOLS ISSUED TO OFFICERS, FREE ON FIRST APPOINTMENT TO PERMANENT COMMISSIONS OR IN REPLACEMENT OF LOSSES.	...	...	...	...	...	

* This does not refer to issues to Troops to replace lost and damaged small arms that have been paid for, as, in such cases, it is the lost or damaged arm, not the new one, that is paid for.

2. Issued from store for Ordinary Service

ARMS ISSUED FOR ORDINARY SERVICE will be marked as detailed below. For a full detail of the authorized abbreviations of corps titles, see Lists I, II and III of this Appendix. Some illustrations of the proper juxtaposition of corps marks and consecutive numbers are given in this Appendix. The marking should be no deeper than is necessary.

Arms, &c.	Corps marks.	Position of marks.	Sizes of marks.			Implements with which marking is to be done.	Remarks.
			Letters.	Figures.	Dash lines.		
Rifles and Lewis .303-in. machine guns with disc embedded in butt.	Corps marks and con- secutive numbers	On the disc ...	in. $\frac{1}{64}$	in. $\frac{5}{64}$	—	Stamps, steel, for metal.	Disc to be removed for the purpose of being marked.
Pistol, Webley	"	On upper part of strap of stock.	$\frac{5}{64}$	$\frac{5}{64}$	—	"	—
" Signal	"	On shoe, above collar; marks to be in an up- right position.	$\frac{5}{64}$	$\frac{5}{64}$	—	"	—
Lance	"	On pommel, the marks to be on that side which is away from the body when worn.	$\frac{5}{64}$	$\frac{5}{64}$	—	"	—
Bayonets	"	On band at bottom of hilt	$\frac{1}{8}$ and $\frac{5}{64}$	$\frac{1}{8}$	—	To be engraved	—
Dirks	"						

MARKING OF SMALL ARMS AND MACHINE GUNS—*continued*

Arms, &c.	Corps marks.	Position of marks.	Sizes of marks.			Implements with which marking is to be done.	Remarks
			Letters.	Figures.	Dash lines.		
Sword, $\left. \begin{array}{l} \text{Mark I} \\ \text{drummers, II} \\ \text{Swords, other kinds} \\ \text{(except Naval).} \\ \text{Scabbards—} \\ \text{Bayonet} \end{array} \right\}$...	Corps marks and consecutive numbers.	Lengthways, on edge of hilt.	in. $\frac{1}{8}$	in. $\frac{1}{8}$	—	Stamps, steel, for metal.	—
	" "	At bottom of hilt	$\frac{1}{8}$	$\frac{1}{8}$	—	To be engraved.	—
	" "	On termination of guard at back of hilt.	$\frac{1}{8}$	$\frac{1}{8}$	—	Stamps, steel, for metal.	—
	Consecutive numbers only.	On top of mouthpiece ...	—	$\frac{1}{8}$	—	" "	To be held in vice by lockst steel between wooden clams, which the armourer must make.
Dirk, for all services, except Scots Guards.	Corps marks and consecutive numbers.	On locket above loop ...	$\frac{1}{8}$ and $\frac{1}{8}$	$\frac{1}{8}$	—	To be engraved.	—
	Corps marks and consecutive numbers.	Letters "S.G.": in centre of thistle in front of locket.	$\frac{1}{8}$	—	—	" "	—
	Other marks: on locket and the letters "S.G."	Other marks: on locket above loop.	$\frac{1}{8}$ and $\frac{1}{8}$	$\frac{1}{8}$	—	" "	—

Scabbards— Sword, with flat mouthpiece.	Corps marks and con- secutive numbers.	On top of mouthpiece ...	$\frac{5}{16}$	—	—	When holding locket in vice, care to be taken not to compress sides unduly.
Sword, with curved mouthpiece with band.	" "	On that side of band of mouthpiece which is next to the body when worn.	$\frac{5}{16}$	—	" "	The mouthpiece should be removed and held on a mandril for the purpose of being marked.
Sword, with curved mouthpiece with- out band.	" "	Immediately below mouth- piece, on that side of scabbard which is next to the body when worn.	$\frac{5}{16}$	—	" "	The mouthpiece should be removed and a mandril inserted into the scabbard.
Drummers' ...	" "	On reverse side of locket	$\frac{1}{2}$ and $\frac{5}{16}$	—	To be engraved	—
APURTENANCES, &c. Rods, cleaning, pistol	Consecutive numbers only.	On the ring ...	—	—	Stamps, steel, for metal.	—
Bottles, oil ...	" "	On top of stopper ...	—	—	" "	—
Pull-throughs (303- in arms).	" "	About centre of weight ...	—	—	" "	—
MACHINE GUN ACCESSORIES, ETC. Bags, spare parts and tools, M.G.	Corps marks and con- secutive numbers.	On the back ...	$\frac{1}{2}$	—	Stamps, copper inlaid, (a) and black paint.	—
Belts, 303-in. 250 rounds, Mk. 1.	" "	On one of the brass tangs	$\frac{5}{16}$	—	Stamps, steel for metal.	—

MARKING OF SMALL ARMS AND MACHINE GUNS—*continued*

Arms, etc.	Corps marks.	Position of marks.	Sizes of marks.			Implements with which marking is to be done.	Remarks.
			Letters.	Figures.	Dash lines.		
Boxes, battalion spares, Lewis .303-in. M.G.	Corps marks only.	On the front ...	in. 1	1	in. —	Stencils and white paint.	Stencils to be made locally.
Boxes, belt, Vickers .303-in. M.G.	Corps marks and consecutive numbers.	" " ...	1	1	—	" "	" "
Boxes, carrier, magazines, Lewis .303-in. M.G.	" "	" " ...	1	1	—	" "	" "
Boxes, spare parts and tools, Vickers .303-in. M.G.	" "	" " ...	1	1	—	Stencils and black paint.	" "
Braces, pouch, Lewis gun.	" "	On the inside and central	$\frac{1}{4}$	$\frac{1}{2}$	—	Stamps, copper inlaid, and (a) black paint.	—
Carriers, magazine, Lewis .303-in. M.G.	" "	On the bottom ...	$\frac{1}{4}$	$\frac{1}{2}$	—	" "	—
Cases, clinometer ...	" "	Top of lid on the right ...	$\frac{1}{4}$	$\frac{1}{2}$	—	Stamps, steel.	—

Cases, cans, .303-in. M.G.	Corps marks and consecutive numbers.	Top of lid	...	...	$\frac{1}{2}$	$\frac{1}{2}$	Stamps, steel.	Stencils to be made locally.
Cases, rule, slide, M.G.	" "	On the back	...	...	$\frac{1}{2}$	$\frac{1}{2}$	Stamps, copper, inlaid, (a) and black paint.	—
Cases, spare barrel and cleaning rod, .303-in. M.G.	" "	On the front below the buckle.	...	...	$\frac{1}{2}$	$\frac{1}{2}$	Stamps, steel.	—
Cases, spare parts and tools, Vickers .303-in. M.G.	" "	" "	" "	" "	$\frac{1}{2}$	$\frac{1}{2}$	" "	—
Chests, Vickers or Lewis .303-in. M.G.	" "	On the front	...	...	1	1	Stencils and white paint.	—
Covers, Lewis .303-in. M.G.	" "	On left side at front end	...	...	$\frac{1}{2}$	$\frac{1}{2}$	Stamps, copper, inlaid, (a) and black paint.	—
Holdalls, Lewis .303-in. M.G.	" "	On the outer flap below the handle.	...	...	$\frac{1}{2}$	$\frac{1}{2}$	" "	—
Mounts, field, Lewis .303-in. M.G., Mk. III.	" "	On the gun band	...	...	$\frac{5}{16}$	$\frac{5}{16}$	Stamps, steel, for metal.	—
Pouches, foresight, bar, deflection.	" "	On the back.	...	...	$\frac{1}{2}$	$\frac{1}{2}$	Stamps, copper, inlaid, (a) and black paint.	—
Pouches, magazine, Lewis gun.	" "	" "	...	...	$\frac{1}{2}$	$\frac{1}{2}$	" "	—
Slings, Lewis gun ...	" "	On the inside and central	...	...	$\frac{1}{2}$	$\frac{1}{2}$	" "	—
Wallets, Lewis .303-in. M.G.	" "	On right side of flap near buckle.	...	...	$\frac{1}{2}$	$\frac{1}{2}$	Stamps, steel.	—
Wallets, Vickers .303-in. M.G.	" "	" "	" "	" "	$\frac{1}{2}$	$\frac{1}{2}$	" "	—

(a) When worn out, will be replaced by stamps, marking textiles.

MARKING OF SMALL ARMS—*continued*

LIST I

The following are the abbreviations and typical examples to be used for the titles of the undermentioned services. Some examples of the mode of combining abbreviations of titles common to several corps, with the numerals, &c., that are necessary to distinguish each individual corps bearing the common title, are given opposite the names of the units.

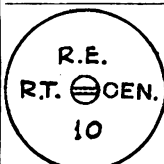
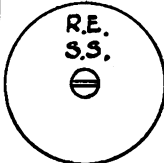
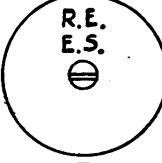
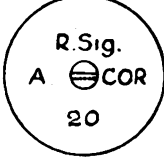
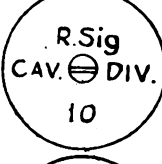
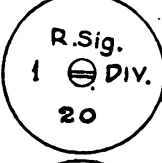
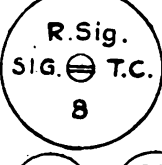
NOTE.—Where any change in marking is introduced by this Appendix, the existing marks on rifles should be retained. Alteration will be made when arms pass through Ordnance Factories or Workshops for repair.

Services.	Abbreviations.	Typical marks to be placed on rifle butt disc.	
REGULAR FORCES.			
The Life Guards ...	L.G.		
Royal Horse Guards	R.H.G.		
1st King's Dragoon Guards	1 D.G.		
3rd Carabineers (Prince of Wales's Dragoon Guards)	3 D.G.		
5th Inniskilling Dragoon Guards	5 D.G.		
1st The Royal Dragoons.	1 D.		
3rd The King's Own Hussars.	3 H.		
9th Queen's Royal Lancers.	9 L.		
13/18th Hussars ...	13/18 H.		
17/21st Lancers ...	17/21 L.		
"B" Battery Royal Horse Artillery.	B. BY. R.H.A.		
4th Field Battery, Royal Artillery.	4 F. By. R.A.		
1st Anti Aircraft Battery, Royal Artillery.	1 A.A. R.A.		

MARKING OF SMALL ARMS.—LIST I—*continued*

Services.	Abbrevia- tions.	Typical marks to be placed on rifle butt disc.	
REGULAR FORCES— <i>contd.</i>			
2nd Light Battery, Royal Artillery.	2 L. R.A.		
17th Medium Bat- tery, Royal Artil- lery.	17 M. By. R.A.		
24th Heavy Battery, Royal Artillery.	24 H. By. R.A.		
Survey Company, Royal Artillery.	Svy. Co. R.A.		
Royal Artillery Rid- ing Establishment, Woolwich.	R.A., R.E.		
Equitation School, Weedon.	SCH. EQ.		
Royal Artillery, Depot, Woolwich.	R.A. DEP.		
1st Field Squadron Royal Engineers.	1 FD. SQ. R.E.		
2nd (Field) Company Royal Engineers.	2 CO. R.E.		
3rd (Fortress) Com- pany Royal Engi- neers.	3 CO. R.E.		
1st Survey Battalion, Royal Engineers.	R.E. Svy. Bn.		
Field Survey Com- pany, Royal Engi- neers.	19 Fd. SUR. CO. R.E.		
1st A.A. Searchlight Battalion Royal Engineers.	1 A.A. R.E.		
R.E. Wing, Anti- Aircraft Defence School.	R.E. A.A. SCH.		
School of Military Engineering.	S.M.E.		
Electric Light School, Royal Engineers.	R.E. E.L.SCH.		
Training Battalion Royal Engineers.	R.E. T.BN.		
Depot Battalion Royal Engineers.	R.E. DEP. BN.		
Royal Engineer Mounted Depot.	R.E. MTD. DEP.		

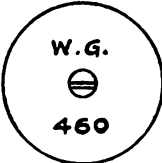
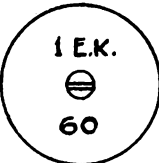
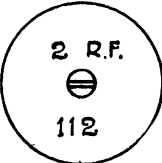
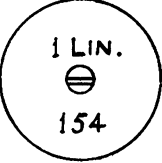
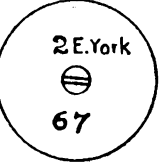
MARKING OF SMALL ARMS.—LIST I—*continued*

Services.	Abbreviations.	Typical marks to be placed on rifle butt disc.	
REGULAR FORCES — <i>contd.</i>			
Railway Training Centre, Royal Engineers.	R.E. R.T. CEN.		
Establishment for R.E. Services.	*E.S. R.E.		
Supernumerary Staff, Royal Engineers.	*S.S. R.E.		
Royal Corps of Signals	R. Sig.		
"A" Corps Signals	A. COR. R. Sig.		
Cavalry Divisional Signals.	CAV. DIV. R. Sig.		
"D" Troop, Cavalry Divisional Signals	D Tp. R. Sig. †		
1st Divisional Signals.	1 DIV. R. Sig.		
Signal Sections Abroad.	R. Sig., with the station monogram added.		
Signal Training Centre.	SIG. T.C. R. Sig.		
Signal Experimental Establishment.	SIG. EX. E. R. Sig.		
No. 1 Artillery Signal Section.	1 Art. Sec. R. Sig.		
Command Signal Companies :—			
Aldershot ...	A.C., S.C.	 	
Eastern ...	E.C., S.C.		
Northern ...	N.C., S.C.		
Scottish ...	Sc.C., S.C.		
Southern ...	S.C., S.C.		
Western ...	W.C., S.C.		
	R. Sig.		
Northern Ireland Signal Company.	N.I.R. Sig.		
South Ireland Signal Section.	S.I.R. Sig.		
No. 1 Company Egypt Signals.	1 CO. Sig.		
No. 3 Company Egypt Signals.	3 CO. Sig.		
No. 2 Wireless Company.	2 CO. Sig.		
No. 4 Wireless Company.	4 CO. Sig.		
Grenadier Guards ...	G.G.		
Coldstream Guards	C.G.		
Scots Guards ...	S.G.		
Irish Guards ...	I.G.		
			   

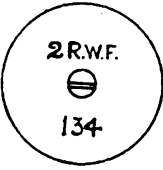
* See note * at end of List I.

† To be used only when a troop of Cavalry Divisional Signals is a self-accounting unit.

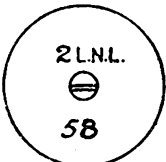
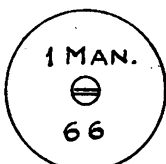
MARKING OF SMALL ARMS.—LIST I—*continued*

Services.	Abbreviations.	Typical marks to be placed on rifle butt disc.	
REGULAR FORCES— <i>contd.</i>			
Welsh Guards ...	W.G.		
The Guards Depot	G		
The Royal Scots (The Royal Regiment).	DEP.		
The Queen's Royal Regiment (West Surrey).	R.S.		
The Buffs (East Kent Regiment).	Q.R.R.		
The King's Own Royal Regiment (Lancaster).	E.K.		
The Northumberland Fusiliers.	K.O.R.R.		
The Royal Warwickshire Regiment.	N.F.		
The Royal Fusiliers (City of London Regiment).	R. War.		
The King's Regiment (Liverpool).	R.F.		
The Norfolk Regiment.	Kings.		
The Lincolnshire Regiment.	Norf.		
The Devonshire Regiment.	LIN.		
The Suffolk Regiment	DVN.		
The Somerset Light Infantry (Prince Albert's).	Suf.		
The West Yorkshire Regiment (The Prince of Wales's Own).	Som.		
The East Yorkshire Regiment.	W. York.		
The Bedfordshire and Hertfordshire Regiment.	E. York		
The Leicestershire Regiment.	B. & H.		
The Green Howards (Alexandra, Princess of Wales's Own Yorkshire Regiment)	LEIC.		
The Lancashire Fusiliers.	G. How.		
The Royal Scots Fusiliers.	L.F.		
	R.S.F.		

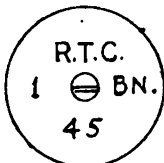
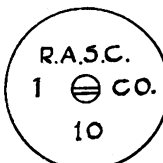
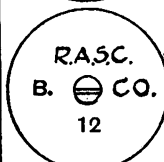
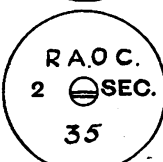
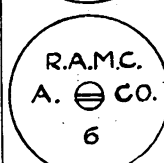
MARKING OF SMALL ARMS.—LIST I—*continued*

Services.	Abbreviations.	Typical marks to be placed on rifle butt disc.
REGULAR FORCES— <i>contd.</i>		
The Cheshire Regiment.	Ch. R.	
The Royal Welch Fusiliers.	R.W.F.	
The South Wales Borderers.	S.W.B.	
The King's Own Scottish Borderers.	K.O.S.B.	
The Cameronians (Scottish Rifles).	Sco. R.	
The Royal Inniskilling Fusiliers.	Innis.	
The Gloucestershire Regiment.	Glos.	
The Worcestershire Regiment.	Worc.	
The East Lancashire Regiment.	E.L.R.	
The East Surrey Regiment.	E.S.R.	
The Duke of Cornwall's Light Infantry.	D.C.L.I.	
The Duke of Wellington's Regiment (West Riding).	D.W.	
The Border Regiment.	Bord. R.	
The Royal Sussex Regiment.	R. Sus.	
The Hampshire Regiment.	Hamp.	
The South Staffordshire Regiment.	S. Staf.	
The Dorsetshire Regiment.	Dors.	
The Prince of Wales's Volunteers (South Lancashire).	P.W.V.	
The Welch Regiment	Wel. R.	
The Black Watch (Royal Highlanders).	B.W.	
The Oxfordshire and Buckinghamshire Light Infantry.	OXF.	
The Essex Regiment	Esx.	
The Sherwood Foresters (Nottinghamshire and Derbyshire Regiment).	Fors.	

MARKING OF SMALL ARMS.—LIST I—*continued*

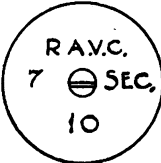
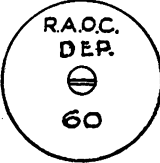
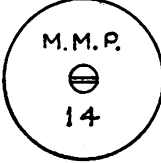
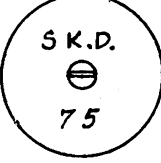
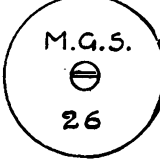
Services.	Abbreviations.	Typical marks to be placed on rifle butt disc.
REGULAR FORCES— <i>contd.</i>		
The Loyal Regiment (North Lancashire).	L.N.L.	
The Northamptonshire Regiment.	Nmptn.	
The Royal Berkshire Regiment (Princess Charlotte of Wales's).	Berks.	
The Queen's Own Royal West Kent Regiment.	R.W.K.	
The King's Own Yorkshire Light Infantry.	Y.L.I.	
The King's Shropshire Light Infantry.	Shrop.	
The Middlesex Regiment (Duke of Cambridge's Own).	MX.	
The King's Royal Rifle Corps.	K.R.R.	
The Wiltshire Regiment (Duke of Edinburgh's).	Wilts.	
The Manchester Regiment.	MAN.	
The North Staffordshire Regiment (The Prince of Wales's).	N.Staf.	
The York and Lancaster Regiment.	Y. & L.	
The Durham Light Infantry.	D.L.I.	
The Highland Light Infantry (City of Glasgow Regiment).	H.L.I.	
The Seaforth Highlanders (Ross-shire Buffs, The Duke of Albany's).	Sea. H.	
The Gordon Highlanders.	Gor. H.	
The Queen's Own Cameron Highlanders.	Cam. H.	
The Royal Ulster Rifles.	R.U.R.	

MARKING OF SMALL ARMS.—LIST I—*continued*

Services.	Abbreviations.	Typical marks to be placed on rifle butt disc.	
REGULAR FORCES—<i>contd.</i>			
The Royal Irish Fusiliers (Princess Victoria's).	Irish.		
The Argyll & Sutherland Highlanders (Princess Louise's).	A. & S.H.		
The Rifle Brigade (Prince Consort's Own).	R.B.		
Depot, Royal Inniskilling Fusiliers & Royal Irish Fusiliers.	DEP. OMAGH.		
All other Infy. Depots	DEP.*		
Royal Tank Corps...	R.T.C.		
The Royal Tank Corps Depot.	DEP. R.T.C.		
2nd Battalion Royal Tank Corps ...	2 BN. R.T.C.	12	10
No. 2 Armoured Car Group Headquarters.	2 A.C. HQ. R.T.C.		
3rd Armoured Car Company Royal Tank Corps.	3 A.C. CO. R.T.C.		
Royal Army Service Corps.	R.A.S.C.		
Training Battalion, Royal Army Service Corps.	R.A.S.C. Training Battn.	10	
No. 1 (T) Company Royal Army Service Corps.	R.A.S.C. 1 CO.		
"B" (S) Company Royal Army Service Corps.	R.A.S.C. B CO.		
Royal Army Medical Corps.	R.A.M.C.	12	35
No. 13 Company Royal Army Medical Corps.	13 Co. R.A.M.C.		
"A" Depot Company Royal Army Medical Corps.	A. CO. R.A.M.C.		
Royal Army Ordnance Corps ...	R.A.O.C.		
No. 2 Section Royal Army Ordnance Corps.	2 SEC. R.A.O.C.	6	

* Followed by abbreviation authorized for other regular units of Infantry regiments concerned.

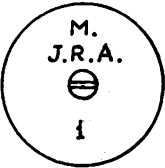
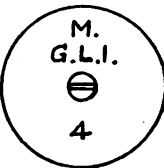
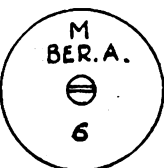
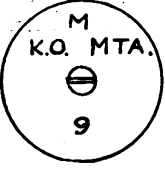
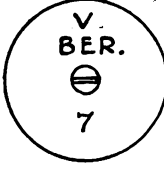
MARKING OF SMALL ARMS.—LIST I—*continued*

Services.	Abbreviations.	Typical marks to be placed on rifle butt disc.	
REGULAR FORCES— <i>contd.</i>			
Depot, Royal Army Ordnance Corps.	DEP. R.A.O.C.		
Royal Army Veterinary Corps.	R.A.V.C.		
No. 7 Section, Royal Army Veterinary Corps.	7 SEC. R.A.V.C.		
Detachment Royal Army Veterinary Corps, Shorncliffe.	SHC. DET. R.A.V.C.		
Royal Army Pay Corps.	R.A.P.C.		
Army Educational Corps.	*A.E.C.		
Military Mounted Police.	M.M.P.		
Military Foot Police	M.F.P.		
Royal Military College.	R.M.C.		
Royal Military Academy.	R.M.A.		
Small Arms School	S.M.		
Machine Gun School	M.G.S.		

* The arms of warrant officers, N.C.Os. and men of the A.E.C. will be marked in accordance with para. 144.

MARKING OF SMALL ARMS—*continued*

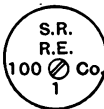
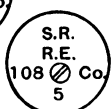
LIST II

Services.	Abbreviations.	Typical marks to be placed on rifle butt disc.	
MILITIA.			
The Channel Islands Militia—			
The Royal Militia of the Island of Jersey—	M.		
Artillery ...	J.R.A.		
Light Infantry	M.		
	J.L.I.		
Royal Guernsey—	M.		
Artillery.	G.R.A.		
Light Infantry	M.		
Royal Alderney Artillery.	G.L.I.		
	M.		
Bermuda Militia Artillery.	ALD.R.A.		
	M.		
Bermuda Volunteer Rifle Corps.	BER.A.		
	V.		
Bermuda Volunteer Engineers.	BER.		
	V.E.		
Royal Malta Artillery.	BER.		
The King's Own Malta Regiment of Militia.	R.MT.A.A.		
	M.		
The Royal Engineers (Militia) Malta Division.	K.O. MTA.		
	M.		
	MTA. R.E.		

Other Militia units, &c., will use the same abbreviations as the Regular Battalion, &c., with the addition of a prefix "M"

MARKING OF SMALL ARMS—*continued*

LIST IIA

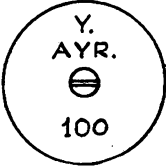
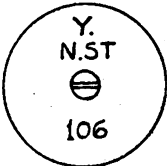
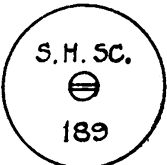
Services.	Abbreviations.	Typical marks to be placed on rifle butt disc.
SUPPLEMENTARY RESERVE UNITS.		
100th (Monmouthshire) Army Troops Company, Royal Engineers.	100 Co. R.E.	
108th (Essex) Electrical and Mechanical Company, Royal Engineers.	108 Co. R.E.	
109th (Glasgow) Workshop and Park Company, Royal Engineers.	109 Co. R.E.	
150th (London and North-Eastern) Railway Construction Company, Royal Engineers.	150 CN. Co. R.E.	
Headquarters Railway Operating Group, Royal Engineers.	H.Q. O.P.G. R.E.	
154th (Great Western) Railway Operating Company, Royal Engineers.	154 O.P.G. Co. R.E.	
155th (London, Midland and Scottish) Railway Workshop Company, Royal Engineers.	155 WSP Co. R.E.	
Headquarters Railway Stores Group, Royal Engineers.	H.Q. SRS. R.E.	
156th (Southern) Railway Stores Company, Royal Engineers.	156 SRS. Co. R.E.	
Headquarters (London and North-Eastern) Docks Company, Royal Engineers.	H.Q. DKS. R.E.	
157th (London and North-Eastern) Docks Company, Royal Engineers.	157 DKS. Co. R.E.	
Headquarters 1st Corps Signals.	H.Q. 1 CR. R.Sig.	

MARKING OF SMALL ARMS.—LIST IIA—*continued*

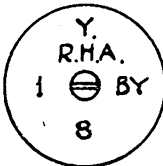
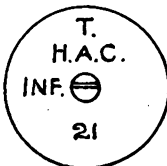
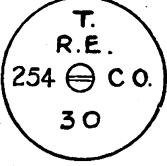
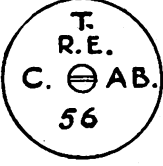
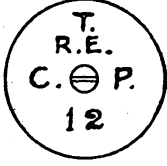
Services.	Abbreviations.	Typical marks to be placed on rifle butt disc.
No. 1 Company, 1st Corps Signals	1. Co. 1CR R.Sig.	
No. 2 Company, 1st Corps Signals.	2 Co. 1CR. R.Sig.	
No. 3 (West Lancs) Company, 1st Corps Signals.	3 Co. 1CR. R.Sig.	
Headquarters Line of Communication Signals.	H.Q. L. of C. R.Sig.	
No. 1 Company, Line of Communication Signals.	1.Co. L.C.R. Sig.	
No. 2 Company, Line of Communication Signals.	2 Co. L. of C. R.Sig.	
No. 3 (West Riding) Company, Line of Communication Signals.	3 Co. L. of C. R.Sig.	
No. 4 (City of London) Company, Line of Communication Signals.	4 Co. L. of C. R.Sig.	
No. 1 (Glasgow) Air Force Headquarters Signal Section.	1. A.H. R. Sig.	
No. 1 (Glasgow) Air Squadron Signal Section.	1. AS. R. Sig.	
No. 1 (South Midland) Aircraft Depot Signal Section.	1. A. DEP. R. Sig.	
No. 1 (London) Air Wing Signal Section.	1. A.W. R. Sig.	
No. 1 (East Lancashire) Advanced Aircraft Park Signal Section.	1.A.A.P. R.Sig.	
No. 23 (London, Midland and Scottish) Construction Section.	No. 23 Cn. Sec. R.Sig.	
No. 22 (London) Cable Section.	No. 22 Cbe. Sec.R.Sig.	

MARKING OF SMALL ARMS—*continued*

LIST III

Services.	Abbreviations.	Typical marks to be placed on rifle butt disc.
TERRITORIAL ARMY		
Ayrshire Yeomanry (Earl of Carrick's Own) (Hussars).	AYR.	
Cheshire Yeomanry (Earl of Chester's) (Hussars).	CH.	
Lanarkshire Yeomanry (Lancers).	LNK.	
Duke of Lancaster's Own (Dragoons).	D.L.O.	
Leicestershire Yeomanry (Prince Albert's Own) (Hussars).	LEIC.	
Northumbrian Yeomanry (Hussars).	NTB.	
Nottinghamshire Yeomanry (Sherwood Rangers) (Hussars).	NTT.	
Shropshire Yeomanry (Dragoons).	SH.	
North Somerset Yeomanry (Dragoons).	N.ST.	
Staffordshire Yeomanry (Queen's Own Royal Regiment) (Hussars).	STF.	
Warwickshire Yeomanry (Hussars).	WK.	
Royal Wiltshire Yeomanry (Prince of Wales's Own Royal Regiment) (Hussars).	WTS.	
Yorkshire Dragoons (Queen's Own).	Y.D.	
Yorkshire Hussars (Alexandra Princess of Wales's Own).	Y.H.	
The Lovat Scouts.	L.SC.	
The Scottish Horse Scouts.	S.H.SC.	
Honourable Artillery Company.	H.A.C.	
"A" Battery Honourable Artillery Company.	A BY. H.A.C.	

MARKING OF SMALL ARMS.—LIST III—*continued*

Services.	Abbreviations.	Typical marks to be placed on rifle butt disc.	
TERRITORIAL ARMY — <i>contd.</i>			
No. 1 City of London (Yeomanry) Battery, R.H.A.	1 R.H.A.		
Honourable Artillery Company Infantry.	H.A.C. INF.		
51st (Westmorland and Cumberland) Field Brigade, Royal Artillery, 203rd Battery.	203 F. By. R.A.		
86th (East Anglian) (Herts Yeomanry) Brigade, Royal Artillery, 342nd Battery.	342 F. By. R.A.		
13th (Highland) Light Brigade, Royal Artillery, 49th Battery.	49 L. R.A.		
51st (Cornwall and Warwickshire) Medium Brigade, Royal Artillery, 204th Battery.	204 M. R.A.		
Clyde Heavy Brigade, Royal Artillery, 171st Battery.	171 H. R.A.		
51st (London) Anti-Aircraft Brigade, Royal Artillery, 151st Battery.	151 A.A. R.A.		
2nd Cavalry Division 2nd (Cheshire) Field Squadron Royal Engineers.	2 CH. SQ. R.E.		
254th (West Lancashire) Field Company, R.E.	254 CO. R.E.		
City of Aberdeen (Fortress) Engineers.	C. AB. R.E.		
Carmarthenshire (Fortress) Engineers.	CMN. R.E.		
Cornwall (Fortress) Engineers.	CLL. R.E.		
Cinque Ports (Fortress) Engineers.	C.P. R.E.		
Devonshire (Fortress) Engineers.	DVN. R.E.		

MARKING OF SMALL ARMS.—LIST III—*continued*

Services.	Abbreviations.	Typical marks to be placed on rifle butt disc.
TERRITORIAL ARMY — <i>contd.</i>		
Dorsetshire (Fortress) Royal Engineers.	DT. R.E.	
City of Dundee (Fortress) Royal Engineers.	C. DDE. R.E.	
City of Edinburgh (Fortress) Royal Engineers.	C. ED. R.E.	
Essex (Fortress) Royal Engineers.	EX. R.E.	
Glamorgan (Fortress) Royal Engineers.	G.M. R.E.	
Hampshire (Fortress) Royal Engineers.	HTS. R.E.	
Kent (Fortress) Royal Engineers.	KT. R.E.	
Lancashire (Fortress) Royal Engineers.	LCS. R.E.	
Renfrewshire (Fortress) Royal Engineers.	R.N. R.E.	
East Riding (Fortress) Royal Engineers.	E. RID. R.E.	
North Riding (Fortress) Royal Engineers.	N. RID. R.E.	
Tyne Electrical (Fortress) Royal Engineers.	TYN. R.E.	
Anti-Aircraft Searchlight Battalion R.E. 26th (London) Electrical Engineers.	26 A.A. R.E.	
Anti-Aircraft Searchlight Company, R.E. 313th (Kent)	313 A.A. Co. R.E.	
2nd Cavalry Divisional Signals R. Signals.	CAV. DIV. R.Sig.	
42nd (East Lancashire) Divisional Signals, R. Signals.	42 DIV. R.Sig.	
203rd (Medium Artillery) Section, R. Signals.	203 M.A. Sec R. Sig.	

MARKING OF SMALL ARMS.—LIST III—*continued*

Services.	Abbreviations.	Typical marks to be placed on rifle butt disc.	
TERRITORIAL ARMY — <i>contd.</i>			
223rd (Field Artillery) Section, R. Signals.	223 F.A. Sec. R.Sig.		
Air Defence Brigade, 26th (London) Signals Company.	A.D.B. Sigs. R.Sig.		
The Monmouthshire Regiment.	MM.		
The Cambridgeshire Regiment.	CB.		
1st (City of London) Battalion, The London Regiment (Royal Fusiliers).	1 LD.		
Inns of Court Officers Training Corps.	INN CT. O.T.C.		
The Hertfordshire Regiment.	HTF.		
The Herefordshire Regiment.	H.F.		
19th (Lothians & Border Horse) Armoured Car Company.	19 A.C.C.		
20th (Fife & Forfar Yeomanry) Armoured Car Company.	20 A.C.C.		
2nd Cavalry Divisional Royal Army Service Corps.	CAV. DIVL. R.A.S.C.		
42nd (East Lancashire) Divisional Royal Army Service Corps.	42 DIVL. R.A.S.C.		
11th (2nd Scottish) General Hospital.	11 G.H.		
161st (East Anglian) Field Ambulance.	R.A.M.C.		
6th (Northern) Hygiene Company.	161 F.A. R.A.M.C.		
54th (East Anglian) Ordnance Company.	6 S.C. R.A.M.C.		
50th (Northumbrian) Divisional Mobile Veterinary Section.	54 CO. R.A.O.C.		
	50 DIV. R.A.V.C.		

MARKING OF SMALL ARMS—*continued*

OFFICERS' TRAINING CORPS.

A typical example of marks to be placed on rifle butt discs in respect of all the following units is as follows :—



SENIOR DIVISION.

Universities, &c.	Abbreviations.
Aberdeen	ABN.
Aberystwyth	AYH.
Bangor	BAN.
Birmingham	BHM.
Bristol	BRIS.
Cambridge	CAM.
Dundee	DDE.
Durham	DRM.
Edinburgh	EDIN.
Glasgow	GGW.
Leeds	LDS.
Liverpool	LL.
London	LDN.
Manchester	MHR.
Nottingham	NTTM.
Oxford	OXF.
Queen's University, Belfast	Q.U.BT.
Reading	O.T.C.
Royal (Dick) Veterinary College, Edinburgh	RDG. U.
St. Andrews	R.V.C.E.
Sheffield	ST. AN.
	SFD.

JUNIOR DIVISION.

Units.	Abbreviations.
Abingdon School	ABN.
Aldenharn School	ALD.
Alley's School	ALN.
All Hallows School	A.H.
Ampleforth College	AMP.
Ardingly College	ARD.

MARKING OF SMALL ARMS.—OFFICERS' TRAINING CORPS—*cont.*JUNIOR DIVISION—*cont.*

Units.	Abbreviations.
Barnard Castle School	B.C.S.
Beaumont College	BT.C.
Bedford School	B.S.
Bedford Modern School	B.M.S.
Berkhamsted School	BKD.
Birkenhead School	BKN.
Bloxham School	BXM.
Blundell's School	BDL.
Bournemouth School	BMH.
Bradfield College	BDD.
Bradford Grammar School	BR.G.S.
Bridlington School	BRID.
Brighton College	BTN.
Brighton Grammar School	BRGS.
Bristol Grammar School	BRL.
Bromsgrove School	BGV.
Bury Grammar School	BY.
Cambridge and County School	C.C.S.
Campbell College	C.C.
Canford School	CAN.
Charterhouse School	CHE.
Cheltenham College	CM.C.
Chigwell School	CGL.
Christ's Hospital	CH.H.
Churcher's College	CH.C.
City of London School	C.L.S.
Clifton College	CL.C.
Cranbrook School	CK.S.
Cranleigh School	CRH.
Dartford Grammar School	D.G.
Dean Close School	D.C.
Denstone College	DEN.
Derby School	DY.
Dollar Academy	D.A.
Dorchester Grammar School	D.G.S.
Dover College	DVR.
Downside School	DOWN.
Dulwich College	DUL.
Durham School	DM.
Eastbourne College	EBN.
Edinburgh Academy	E.A.
Elizabeth College	EZH.
Ellesmere College	ELL.
Emanuel School	EML.
Epsom College	EPS.
Eton College	EN.
Exeter School	EXR.
Felsted School	FEL.
Fettes College	FTS.
Forest School	FST.
Framlingham College	FMM.
George Heriot's School	G.H.

MARKING OF SMALL ARMS.—OFFICERS' TRAINING CORPS—*cont.*
JUNIOR DIVISION—*cont.*

Units.	Abbreviations.
George Watson's Boys' College	G.W.B.
Giggleswick School	GIG.
Glasgow Academy	G.A.
Glasgow High School	G.H.S.
Glenalmond (Trinity) College	GMD.
Gresham's School	G.S.
Grimsby Municipal College	G.M.C.
Haileybury College	HBV.
Handsworth Grammar School	H.G.S.
Harrow School	HAR.
Herne Bay College	H.B.
Hereford Cathedral School	H.C.S.
Hertford Grammar School	HFD.
Highgate School	HTE.
Hillhead High School	H.H.S.
Hurstpierpoint College	HPT.
Hymers College	HYM.
Imperial Service College	I.S.C.
Ipswich School	IPS.
Kelly College	KY.
Kelvinside Academy	KL.V.
King Edward's Grammar School	K.E.G.
King Edward's School (Bath)	K.E.BH.
King Edward's School (Birmingham)	K.E.BM.
King William's College	K.W.C.
King's College	KG.C.
King's College School	K.C.S.
King's School (Bruton, Somerset)	K.S.B.
King's School (Canterbury)	K.S.C.
King's School (Grantham)	K.S.G.
King's School (Rochester)	K.S.R.
King's School (Warwick)	K.S.W.
King's School (Worcester)	K.S.WR.
Lancing College	L.C.
Leeds Grammar School	L.G.
Leys School	LY.S.
Liverpool College	LL.
Liverpool Collegiate School	L.C.S.
Liverpool Institute	L.I.
Loretto School	L.S.
Louth School	LTH.
Magdalen College School	MAG.
Maidstone Grammar School	M.G.S.
Malvern College	MAL.
Marlborough College	M.C.
Merchant Taylors' School	M.T.S.
Merchiston Castle School	M.C.S.
Mill Hill School	M.H.S.
Monkton Combe School	MKN.
Monmouth School	MON.
Morrison's Academy	M.A.

MARKING OF SMALL ARMS.—OFFICERS' TRAINING CORPS—*cont.*
JUNIOR DIVISION—*cont.*

Units.	Abbrevia- tions.
Newcastle-under-Lyme High School	N.H.S.
Newton College	NEW.
Northampton School	NN.
Nottingham High School	NOTT.
Oakham School	OAK.
Oratory School	ORA.
Oundle School	OUN.
Perse School	PSE.
Plymouth College	PLY.
Portora Royal School	P.R.S.
Portsmouth Grammar School	P.G.S.
Queen Mary's Grammar School	Q.M.G.S.
Radley College	RAD.
Reading School	RDG.S.
Reigate Grammar School	R.G.S.
Repton School	RTN.
Rossall School	RSL.
Royal Grammar School (High Wycombe, Bucks)	R.G.S.B.
Royal Grammar School (Newcastle-on-Tyne) ...	R.G.S.N.
Royal Grammar School (Worcester)	R.G.S.W.
Royal Grammar School of King Edward VI ...	RL.G.S.
Royal Grammar School (Lancaster)	R.G.S.L.
Royal High School, Edinburgh	R.H.S.
Rugby School	RUG.
Rydal School	RYD.
St. Alban's School	ST.AL.
St. Bees School	ST.B.
St. Dunstan's College	ST.DN.
St. Edmund's College	ST.EDM.C.
St. Edmund's School	ST.EDM.
St. Edward's School	ST.ED.
St. John's School	ST.JN.
St. Lawrence College	ST.L.
St. Paul's School	ST.P.
St. Peter's School	ST.PT.
Sedburgh School	SBH.
Sherborne School	SHB.
Shrewsbury School	SBY.
Sir Roger Manwood's School	S.R.M.
Skinner's School	SKN.
Solihull School	S.S.
Stamford School	STAM.
Stonyhurst College	STO.
Stowe School	STOW.
Sutton Valence School	S.V.S.
Taunton School	TTN.
Tonbridge School	TON.
Trent College	TNT.
University College School	U.C.
Uppingham School	UPM.
Victoria College	VIC.
Wantage School	WAN.

MARKING OF SMALL ARMS.—OFFICERS' TRAINING CORPS—*cont.*
JUNIOR DIVISION—*cont.*

Units.	Abbrevia- tions.
Wellingborough School	WS.
Wellington College (Berks)	W.N.C.
Wellington School (Somerset)	W.S.S.
Westminster School	WMR.
West Buckland School	W.BUC.
Weymouth College	WEY.
Whitgift Grammar School	WHT.
Wilson's School	WIL.
Winchester College	WIN.
Wolverhampton Grammar School	WN.G.S.
Woodbridge School	WBE.
Workshop College	WKP.
Wrekin College	WR.

APPENDIX 48

(*Referred to in paras. 296, 525 and 530*)

INSTRUCTIONS FOR MARKING HORSE AND MECHANICAL TRANSPORT VEHICLES AND BICYCLES, AND FOR CALIBRATION DETAILS ON GUNS AND HOWITZERS.

Regimental Marks.

1. All vehicles and bicycles forming part of the peace equipment of units will be marked with the title of the unit in whose charge they are held. In the case of Artillery batteries, the letter of the sub-section will also be marked on vehicles ; on limbers and wagons this letter should be placed on the top off-side corner.

The abbreviations to be used for titles of units are shown in Table 1.

The position of the marks will be as follows :—

Gun and howitzer carriages ... On trail, off side.

B.L. 9-2-in. howitzer—

Carriage, transporting—

Bed On rear of axletree, off side.

B.L. 9.2 howitzer—*continued*

Body and cradle	...	...	On rear of axletree between the axletree clips.
Limber, transporting—			
Bed	...	...	{ On front face of the frame draught between the upper and lower plates.
Body and cradle	...	...	
Wagon, transporting	...	...	On off side of body between the bracket carriage body and the strut strap.
Limbers and ammunition wagons—			
Q.F. 13 and 18-pr.	...	...	Back of ammunition or limber boxes, off side, low down.
B.L. 60-pr.—			
Gun limbers	...	...	Back of off limber box, close to top.
Ammunition wagons and limbers	...	...	Back of ammunition box, off side, close to top.
B.L. 6-in. 26-cwt. howitzer	...	...	Back of limber box, near side, close to top.
Q.F. 4.5-in. howitzer	...	...	Back of ammunition or limber box, off side, low down.
B.L. 6-in. gun and 8-in. howitzer	...	...	Back of limber box, near side, close to top.
Anti-aircraft equipments—			
Mountings	...	...	On front of the pedestal.
Lorries or other transport	...	...	Off side, in most convenient position.
Railway truck equipments—			
Mountings and trucks	...	...	{ On either side, in most convenient position.
Wagons, ammunition	...	...	
Carts—			
Tool, R.E.	...	...	Off side at front (on side frame).
Water tank, Mk. IV	...	...	Off side of tank, at front.
Water tank, Mks. V to VII	...	...	End of barrel, near side.
Kitchens, travelling...	...	...	Rear of body and rear of limber, off side.

Wagons—

Airline	...	...	...	...	Off side of front body, low down.
Cable	...	...	...	...	Off side of futchel of body, and off side of footboard of limber.
G.S., Mk. IX	...	...	...	...	On diagonal portion of body under foot-board, off side.
G.S., Mks. X and X*	...	...	...	}	Body of wagon, off side at front.
Pigeon loft	...	...	...		
Limbered, A. or S.	...	...	...	}	On rear of both portions, off side.
Limbered, F.A.	...	...	...		
Limbered, G.S.	...	...	...		
Pontoon (or trestle)	...	...	...	...	Off side, at front.
Telephone	...	...	...	...	On off block, supporting drum bearings of wagon body at front and on off side of limber box.

Other vehicles (if construction admits) ...

On body of vehicle, off side, as far to the front as possible and low enough to be clear of the cover. *Limbered vehicles will be marked on both portions.*

Armoured Cars—

Lanchester—

1928 pattern	...	...	...	}	On armour plate immediately in front of and below the revolving turret, near and off sides.
1930 pattern	...	...	...		
Peerless	...	...	...	...	On centre of side doors, near and off sides.

Rolls Royce—

1914 pattern—

Mk. I	...	...	...	}	On armour plate immediately in front of and below the revolving turret, near and off sides.
Mk. IA	...	...	...		
1920 pattern—					
Mk. I	...	...	...		
Mk. IA	...	...	...	...	
1924 pattern, Mk. I	...	...	...	...	

Carriers—

·303-in. M.G., C.L., Mk. VI	...	} Front on corner top side plate, near and off sides.
·5-in. M.G., C.L., Mk. VI	...	

G.S.—

30-cwt., Burford Kegresse	...	} On driver's seat, near and off sides.
30-cwt., Crossley Kegresse	...	
15-cwt., Crossley Kegresse	...	
Morris, 1-ton, Roadless	...	
M.G., Armoured, 30-cwt., Burford Kegresse		} On triangular side plates on front of side doors.
Mortar, C.L., Mk. VI	...	
Smoke, C.L., Mk. VI	...	} Front on corner top side plate, near and off sides.
	...	

Cars, Battery Staff—

15-cwt., Crossley Kegresse	...	Forward of dash, near and off sides.
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Citroen Kegresse—

P.1	...	...	...	...	Forward of doors, near and off sides.
P.7	...	...	...	...	Forward of dash, near and off sides.

Dragons—

Mk. II*	...	...	...	...	} Immediately behind the headlights, near and off sides.
Mk. III	...	...	...	...	
Mk. IIIA	...	...	...	...	} Immediately behind the headlights, off side. On the door of the forward ammunition locker or bin, near side.
Mk. IIIB	...	...	...	...	

Mountings, S.P., Q.F., 18-pdr.—

Mk. IA	...	...	...	...	} On front of body along- side the inspection door, off side.
Mk. IB	...	...	...	...	
Mk. IC	...	...	...	...	
Mk. ID	...	...	...	...	
Mk. IE	...	...	...	...	
Motor Lorry, A.A., Peerless	...			...	On driver's seat, near and off sides.

Tanks—

Light—

Mk. I	...	...	...	...	} On front of side plate, near and off sides.
Mk. IA	...	...	...	...	

Medium—

Mk. I	{ On plating in front of driver's ventilating louvres, off side. On plate covering main petrol tank above sprocket, near side. On body, near and off sides.
Mk. IA	
Mk. II	
Mk. IIA	
Water, 1-ton, Guy Roadless ...	

Tractors—

Field Artillery—

30-cwt., Burford Kegresse—

No. 1	{ On driver's seat, near and off sides.
No. 2	
No. 3	

30-cwt., Crossley Kegresse

3-ton Burford Kegresse

Morris—

Mk. I	On doors, near and off sides.
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Mk. II	On driver's cowl, off side. On side of front seat, near side.
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Holt Caterpillar	On side of main petrol tank, and in rear on casing of clutch drive, near side.
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3·7-in. Howr., C.L., Mk. VI ...	{ Front on corner top side plate near and off sides.
·8-in., M.G., C.L., Mk. VI ...	

Trailers—

3·7-in. Howr.—

C.L., Mk. I	{ On frame member, near and off sides.
Citroen Kegresse	

G.S., C.L.—

Mk. I	{ On side plates of front foot well, near and off sides.
Mk. IA '	

M.G., C.L., Mk. I

F.O.O. (R/T), C.L., Mk. I ...	On centre of sides of body, near and off.
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Bicycles	Across the rear mud- guard, 4 in. above the bridge, and on the upper side of the bottom tube, com- mencing just clear of the bottom lug of the ball head.
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2. Vehicles forming part of, and stored with, mobilization equipment will not be marked with the title of the unit for which they are held, whether they are on unit charge or stored by R.A.O.C.

M.T. vehicles stored centrally under R.A.S.C. control for allotment to units on mobilization will not be marked with unit titles, but will bear their prescribed W.D. numbers, etc., only.

Symbols denoting Class of Transport

3. During mobilization distinguishing marks, denoting the various classes of transport and also the consecutive numbers of vehicles as laid down in Field Service Manuals, will be painted on vehicles forming part of war outfit of units. These marks will be placed in the same position as shown in para. 1. The symbols to be used as distinguishing marks will be published later.

Medical Units

4. All vehicles in possession of medical units will be marked with the Geneva Cross.

Weight and Load

5. The "weight of vehicle" and the "weight of load the vehicle is designed to carry," as shown in List of Changes, will be marked on the near side of vehicles, as near the centre as possible, low down. In the case of the "Cart, water tank," the capacity of the tank should be marked thus:—"TANK CAPACITY 110 GALLONS" on each end of the tank in white paint, the letters to be 1 in. high.

Station Transport, etc.

6. Vehicles on charge of units for local purposes will be marked to show the purpose to which they are locally appropriated.

Mechanical Transport

7. All M.T. vehicles (except "A" vehicles—see below) will be numbered and the general register of numbers will be kept by the Officer i/c Vehicles' Records, M.T. Stores Depot, R.A.S.C. Vehicles will be numbered consecutively irrespective of class, but the following identifying letters will be allotted to

each class ; the serial numbers for this purpose will be issued by the M.T. Stores depot, R.A.S.C., to units or depots concerned :—

- C. for motor cycles.
- M. for motor cars.
- V. for motor vans.
- A. for motor ambulances.
- L. for motor lorries.
- T. for tractors of all kinds.
- X. for trailers of all kinds.

The W.D. numbers will always be shown with the appropriate class letter mentioned above.

"A" vehicles will also be numbered, the class letters and W.D. numbers being allotted by the C.I.A.

8. *Method of Marking.*—The following marks will be painted on all M.T. vehicles :—

- (a) Weight, etc., as required by law (locomotives, tractors and heavy motor cars), and axle weights.
- (b) Registration number (if registered).
- (c) Designation of arm of service and, where applicable, the classification symbol "A" or "B".
- (d) W.D. number and class letter.
- (e) Load-carrying capacity.

9. The position of these marks will be :—

- (a) The maximum legal speed and weights will be shown in a conspicuous position on the off side of the vehicle, preferably at the bottom of the cab. In the case of a tractor, the speed to be shown is the maximum legal speed when drawing a trailer, and in the case of a heavy motor car the maximum legal speed when not drawing a trailer.

In the case of 4-wheeled vehicles and heavy trailers the weights to be shown are unladen weight—U.W. ; front axle weight—F.A.W. ; and hind axle weight—H.A.W.

In the case of 6-wheeled vehicles the weights to be shown are unladen weight—U.W. ; front axle weight—F.A.W. ; middle axle weight—M.A.W. ; hind axle weight—H.A.W.

The axle weights are the maximum permissible laden weights. Where a vehicle on receipt is not inscribed with the weights, details will be furnished on application to the O.C. M.T. Stores depot, R.A.S.C. or R.A.O.C. depot concerned. The in-

scription of weights applies only to vehicles over 2 tons weight unladen, and to trailers over 1 ton weight unladen, *i.e.* all W.D. lorries and heavy trailers. Tracked vehicles will be marked to show the gross weight. The inscription of speed in miles per hour applies to lorries but not to trailers.

- (b) On plates suspended at front and rear of chassis as required by law.
- (c) In the case of lorries, box vans and ambulances, on both sides of the body and the tailboard or rear door of the vehicle. A stencil plate, to be obtained from the M.T. Stores depot, R.A.S.C., or the R.A.O.C. depot concerned, will be used for this purpose. A stencil plate, to be obtained from the R.A.O.C. depot concerned, will also be used for the classification symbol "A" or "B".

Cars, except those specially exempt (for which a metal plate to be fixed to the inside of the dash may be supplied locally), should be marked in 1-in. letters and figures on the outside of the dash on near side of car, the design taking the general form of the stencil used for other vehicles. The classification symbol "A" or "B" will be painted in red, 6 in. in height, and 6 in. to the right of the W.D. number.

In the case of lorries, cars, box vans and ambulances, the W.D. number, in addition to being marked in the manner shown above, will also be marked in letters of convenient size on an accessible part of the near side member of the frame, in order to prevent loss of identity of the chassis, if at any time occasion arises to remove or exchange the body. In the event of any such changes the body number must in all cases be amended to tally with the number borne by the chassis to which it is attached.

Motor cycles will be marked on the near side of the petrol tank in letters and figures of convenient size.

- (d) The class letter will be placed below the designation of the arm of the service, and the W.D. number below the class letter, as exemplified hereunder. Where applicable, the classification symbol "A" or "B" will be placed 6 in. to the right, and painted in red, as exemplified hereunder :—

Maintained by R.A.S.C.	Maintained by R.A.O.C.
<u>R.A.S.C.</u> <u>L.</u> 251	<u>18th Fd. R.A.</u> <u>L.</u> 251 A
N. China Sigs. * <u>L.</u> 251	3 Fort Co. <u>L.</u> 251 B

* Example of marking of vehicles maintained but not driven by R.A.S.C., *i.e.* China.

The arm of the service lettering will be painted in by the receiving unit in accordance with the stencils supplied, but the other identifications will be painted on the vehicles by the issuing depot.

- (e) In the case of lorries and motor vans (heavy), the load-carrying capacity will be painted across the tailboard in letters 3 in. high, thus:—

For motor lorries (light)—

LOAD NOT TO EXCEED 30-CWTS.

For motor vans (heavy)—

LOAD NOT TO EXCEED 15-CWTS.

For light 6-wheeled vehicles—

LOAD NOT TO EXCEED 30-cwts.

For medium 6-wheeled vehicles —

LOAD NOT TO EXCEED 3 TONS.

In the case of the "Trailer, two-wheeled, water tank," the capacity of the tank should be marked thus:—

"TANK CAPACITY 150 GALLONS"

on each side of the tank in white paint, the letters to be 1 in. high.

10. In any case where it is desired for special reasons to modify the application of 9 (c) and (d) in the case of motor cars the matter will be referred to the War Office.

11. In the case of vehicles serving overseas 9 (a) and (b) will be governed by the local regulations on the subject.

General Instructions

12. White paint will be used for the marking referred to in paras. 1, 2, 5, 6 and 8, except in the case of the classification

symbol "A" or "B," which will be painted in red. The size and style of marking will be as laid down in Table 2. Stencils, paint and brushes will be supplied by the R.A.O.C.

13. Any necessary alterations in the marking consequent upon the changes of units in course of relief, or when vehicles accompany a unit on change of station, will be at once carried out.

Mobilization

14. The marking referred to in para. 1 will be obliterated from all vehicles forming part of war equipment of units as soon as mobilization has been reported to be complete.

Instructions for Marking Calibration Details on Guns and Howitzers

15. To secure uniformity, the recording of calibration details on guns and howitzers should be in accordance with the examples shown in Table 3.

TABLE 1

ABBREVIATIONS TO BE USED FOR TITLES OF UNITS

NOTE.—Alterations to existing marks necessitated by changes in abbreviations introduced by this table will only be carried out as vehicles require repainting.

Units.	Abbreviations.
Headquarters, 1st Air Defence Brigade ...	H.Q. 1 Air Def. Bde.
Cavalry regiments	To be in accordance with the abbreviated regimental titles, as laid down in the official Army List.
Brigade Headquarters, Royal Horse Artillery	H.Q. 1 Bde. R.H.A.
"M" Battery, R.H.A.	M. R.H.A.
Field Brigade Headquarters, R.A.	H.Q. 3 Fd. Bde. R.A.
18th Field Battery, R.A.	18 Fd. R.A.
Light Brigade Headquarters, R.A.	H.Q. 1 Lt. Bde. R.A.
5th Light Battery, R.A.	5 Lt. R.A.
Medium Brigade Headquarters, R.A.	H.Q. 1 Md. Bde. R.A.
5th Medium Battery, R.A.	5 Md. R.A.
2nd Heavy Battery, R.A.	2 Hy. R.A.
Anti-Aircraft Brigade Headquarters, R.A. ...	H.Q. 1 A.A. Bde. R.A.
1st Anti-Aircraft Battery, R.A.	1 A.A. R.A.
Survey Co., Royal Artillery, Larkhill ...	Svy. Co. R.A.

Units.	Abbreviations.
Royal Engineers—	
School of Military Engineering	S.M.E.
Mounted Depot	Mtd. Dep. R.E.
Training Battalion	T. Bn. R.E.
Field Squadron	1 Fd. Sqdn.
Field Company	2 Fd. Co.
Field Park Company	6 Fd. Pk. Co.
Fortress Company	3 Fort Co.
Railway Company	8 Ry. Co.
Survey Company	14 Svy. Co., R.E.
Field Survey Company	19 Fd. Svy. Co., R.E.
Anti-Aircraft Searchlight Battalion Headquarters	H.Q. 1 A.A.S.L. Bn., R.E.
1st Anti-Aircraft Searchlight Battalion	1 A.A.S.L. Bn. R.E.
Royal Corps of Signals—	
Signal Training Centre	S.T.C.
“A” Corps Signals	A. Corps Sigs.
Cavalry Divisional Signals—	
Headquarters	H.Q. Cav. Div. Sigs.
Troop	Trp. Cav. Div. Sigs.
Divisional Signals	2 Div. Sigs.
Air Defence Brigade Signals	1 A.D.B. Sigs.
Medium Artillery Signal Section	1 M.A. Sig. Sec.
Field Artillery Signal Section	1 F.A. Sig. Sec.
Command Signal Companies	E. Cmd. Sigs.
Signal Company	N.I. Sig. Co.
Signal Section, Hong Kong	H.K. Sig. Sec.
Infantry Battalions	To be in accordance with the abbreviated regimental titles as laid down in the official Army List.
Royal Tank Corps—	
Centre Headquarters	H.Q. R.T.C.
Central Schools	C.S. R.T.C.
Battalion	5 Bn. R.T.C.
Armoured Car Company	1 A.C. Co. R.T.C.
Royal Army Service Corps—	
Training Battalion	R.A.S.C. T. Bn.
Vehicle Reserve Depot	V.R.D. R.A.S.C.
M.T. Stores Depot	M.T.S.D. R.A.S.C.
Heavy Repair Shop	H.R.S. R.A.S.C.
Remaining Companies	
By numbers	{ 6 Co. R.A.S.C. 35 Co. R.A.S.C.
Royal Army Ordnance Corps—	
Depot	R.A.O.C. Hilsea.

TABLE 2
SIZE AND STYLE OF MARKING

Marking.	Size of Letters and Numerals on—		Style.
	Vehicles.	Bicycles.	
Weight and load of vehicle (<i>see</i> para. 5)	$\frac{3}{4}$ -in.	—	Plain block, except division numeral, which will be "Roman." To be painted in red and to be of the height mentioned in para. 9 (c) as exemplified in para. 9 (d).
All other regimental marks—			
Capitals and numerals ...	$1\frac{1}{2}$ -in.	$\frac{1}{2}$ -in.	
Remainder ...	1-in.	$\frac{3}{8}$ -in.	
Classification symbol "A" or "B"	—	—	

TABLE 3
MARKING OF CALIBRATION DETAILS ON GUNS AND HOWITZERS.

In all cases $\frac{3}{4}$ -in. letters or numerals and white paint will be used (a).

Nature of Ordnance.	Example of Marking.	Position of Marking.
Q.F. 18-pr. gun, Mk. IV	M.V. 1615. 21/4/23 R.D.B.	Painting to commence just in front of the breech ring on the right.
B.L. 60-pr. gun, Mks. II and II* ...		
B.L. 6-in. gun, Mk. XIX	M.V. 806. 21/4/23 Ch. IV R.D.B.	
Q.F. 3-7-in. howr., Mk. I		
B.L. 6-in. 26-cwt. howr., Mk. I ...	M.V. 806. 21/4/23 Ch. IV R.D.B.	Painting to commence just in front of breech-opening on the right.
B.L. 8-in. howr., Mk. VIII		
Q.F. 4-5-in. howr., Mks. I and II ...		
Q.F. 13-pr. guns, Mks. I to II ...	M.V. 2110. 4/23 N.C.T.	Painted on the right-hand side of the breech ring.
Q.F. 18-pr. guns, Mks. I to II ...		
B.L. 60-pr. guns, Mks. I to I** ...	M.V. 1010. 4/23 Ch. IV M.D.	
B.L. 9-2-in. howr. ...		

(a) For this purpose $\frac{1}{2}$ lb. of white paint for each battery is allowed.

Note.—Twopence for each letter or numeral will be allowed for the above marking.

APPENDIX 49

(Referred to in paras. 145 and 505)

LISTS OF INITIALS AND MONOGRAMS OF STATIONS

The following initials and monograms will be used at the several stations mentioned :—

Aldershot ...	...	AT.	Lydd ...	...	LD.
Bermuda ...	...	B.	Malta ...	...	M.
Burscough ...	...	BH.	Mauritius ...	...	MS.
Bramley ...	...	BM.	Pembroke ...	...	P.
Bull Point ...	...	BP.	Priddy's Hard ...	...	PHD.
Catterick ...	...	CAT.	Bedenham ...	...	PHD(B).
Chatham ...	...	C.	Marchwood ...	...	PHD(M).
Colchester ...	...	CCR.	Purfleet ...	...	PT.
Carrickfergus ...	...	CFS.	R.A.C.D., Pimlico	...	PIM.
Colombo ...	...	COL.	Sheerness ...	...	S.
Crombie (Rosyth)	...	CRB.	Stirling ...	...	S.G.
Chilwell ...	...	CW.	Shorncliffe ...	...	SHC.
Devonport ...	...	DPT.	Southampton ...	...	SN.
Dover ...	...	DR.	Straits Settlements	...	SS.
Didcot ...	...	DT.	Selby ...	...	SY.
Egypt ...	...	EGT.	Tipnor ...	...	T.
Fort George ...	...	FG.	Tower of London	...	TL.
Gibraltar ...	...	GIB.	Tientsin ...	...	TSN.
Hereford ...	...	HD.	Tidworth ...	...	TWH.
Hilsea ...	...	HA.	Woolwich ...	...	W.
Hong Kong ...	...	HK.	Weedon... ..	...	WN.
Hyde Park ...	...	HP.	York ...	...	Y.
Jamaica ...	...	JCA.			

APPENDIX 50

*(Referred to in paras. 4, 230, 331 and 416)*TECHNICAL INSPECTIONS OF UNIT EQUIPMENT CARRIED
OUT BY INSPECTION BRANCHES AND R.A.O.C.

Equipment.	When inspection carried out.	Authority for inspection.	Inspecting authority.
Ammunition and Explosives	Annually.	R.A.O.S., Pt. II, pamphlet 11.	I.O.O., R.A.O.C.
Armament	Annually.	R.A.O.S., Pt. I	O.M.E., R.A.O.C, C.I.A.
Bicycles	See App. 14.	App. 14.	C.I.S.A. and R.A.O.C.
Harness and Saddlery in mobilization equipments	Triennially.	Para. 230 and R.A.O.S., Pt. I	Inspector of Stores, R.A.O.C.
Mobilization equipment	Annually(a).	Para. 4 and R.A.O.S., Pt. I.	R.A.O.C.
Optical and other instruments	Annually.	Para. 4 and R.A.O.S., Pt. I.	O.M.E., R.A.O.C.
Reservists' outfits ...	Annually(a).	R.A.O.S., Pt. I.	R.A.O.C.
Respirators	Annually.	Para. 331 and R.A.O.S., Pt. II, pamphlet 26.	I.O.O., R.A.O.C.
Small arms, machine guns, armourers' gauges and tools	See App. 14.	App. 14.	C.I.S.A. and A.I.A.
Steam fire engine, boilers	Annually.	R.A.O.S., Pt. I.	W.O. Contractor under W.O. running contract.
Vehicles—			
“A”	Half-yearly	} Para. 416	} O.M.E., R.A.O.C, C.I.A. C.I.R.E.S. O.M.E., R.A.O.C, C.I.A. O.M.E., R.A.O.C.
“A,” except P.E. lorries	Annually.		
P.E. lorries	Half-yearly		
“B”	Triennially.		
“B”			
H.T. and spare wheels (in mobilization equipments)		Para. 230 and R.A.O.S., Pt. I.	

(a) Additional inspections are carried out, as necessary, by the A.D.O.S. Command.

APPENDIX 51

(Referred to in paras. 242 and 423)

Method of greasing barrels, etc., of Rifles and Machine Guns

NOTE.—The use of rags or cotton waste in applying the preservative is forbidden.

For bores of rifle, pistol, and machine gun barrels the lubricant will be heated as necessary until it becomes thin, and then applied by means of a strip of flannelette well saturated with the lubricant and inserted in the eye of a rod made of twisted copper wire.

In the case of rifle and pistol barrels, the rod must be drawn through from muzzle to breech; the flannelette should fit fairly tightly in the bore, and the ends be cut evenly, so that any excess of the lubricant may be squeezed out and prevented from reaching the chamber.

The size of the flannelette strip for .303-in. barrels should be about 8 in. by $1\frac{1}{2}$ in.

In the case of machine gun barrels, the rod will be drawn through from both ends. The exterior will also be coated with the lubricant in a cooler condition.

The chambers of rifles and chambers of revolvers will be coated with the lubricant in an unheated condition by means of a strip of flannelette on a short length of bent wire, applied from the breech end.

All surfaces and parts must be thoroughly clean and dry before the lubricant is applied.

The barrel casing and steam tube of Vickers machine guns must be quite free from water, and the screwed and cork plugs removed to prevent condensation on the barrel. The asbestos packing should be dried and oiled to prevent it from rusting the barrel and its bearings.

Method of greasing bayonets

The mineral jelly, heated in cold weather as necessary, will be applied by means of a sash tool brush of convenient size. Care must be taken to ensure that the blades are thoroughly clean and dry before the preservative is applied and that the whole surface is covered with an adequate film.

A

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